

| Programming Panel | | | | | | | |
|----------------------------|---|---|--|--|--|--|--|
| Description | Run Mode | Programming Mode | | | | | |
| 4 digit display Red | Shows value according to configuration. | Shows steps and data during configuration. | | | | | |
| Minus sign | Illuminates for negative readings. | Illuminates for negative values. | | | | | |
| Keyboard | | | | | | | |
| Setpoint 1 LED | Illuminates when setpoint 1 turns active. | Illuminates when setpoint 1 turns active. | | | | | |
| UP key | No application | Shows setpoint value. Increases value of active digit. | | | | | |
| SHIFT key | Displays maximum and mini- mum stored values. After 3s of pressing, sets maximum and/or minimum memorized value to current display value. | Shifts active digit to the next right digit. | | | | | |
| DATA/ENTER key | Changes to PRO mode. | Validates selected data and parameters. Moves one step forward in configuration menu. Changes to RUN mode. | | | | | |
| Setpoint 2 LED | Illuminates when Setpoint 2 turns active. Illuminates when Setpoint 2 turns active | | | | | | |
| Free space for units label | | | | | | | |

| odel DPM2-AT-HL Application: pe J thermocouple input with 0.1°F resolu | | | | | | Te |
|---|---|---|---|--|---|---|
| pe J thermocouple input with 0.1°F resolu ote: For additional configuration information | | • | act com | | Range | Input Impedance |
| | ion download the comple | te manual nom www.rutomationDire | | Process Input | ±20mA | <20Ω |
| Run Mode | E | NTER: Vertical displacement. | Thermocouple Wiring | | ±10V | 2MΩ |
| Programming Mode. If total para | | IP: Changes active digit. | | | ±200V | 2MΩ |
| out has been enabled, dAtA will be instead of Pro Input Menu | be displayed • s | HIFT: Horizontal displacement. | TERMINALS CN2 | Sensor Excitation | Range | Maximum Measurement |
| , . , | | | | Potentiometer | 100 1001-0 | Current |
| | emperature input menu | | | | 100-100kΩ | <0.4mA |
| Process input menu | | | +TC -TC | Resistance | 999.9Ω 9999Ω | 2.3mA 230µA |
| E The | ermocouple input | | | nesisiance | 535352 50kΩ | 230µA 23µA |
| | | | | | RTD | Pt100 (3 |
| | I=Type J for this example Select 0.1°F resolution for this example | | nis example | | Fixed Display Range / Resolution | 11100 (0 |
| | $ \overset{I^{o} \mathcal{L}}{\longrightarrow} \overset{I^{o} \mathcal{F}}{\longrightarrow} \overset{I}{\longrightarrow} \overset{I}{\overset}{\overset{I}{\longrightarrow} \overset{I}{\longrightarrow} \overset{I}{\overset}{\overset{I}{\longrightarrow} } \overset{I}{\overset{I}{\overset}{\overset{I}{\overset}{\overset{I}{\overset}{\overset{I}{\overset}{\overset{I}{\overset}{\overset{I}{\overset}{\overset{I}{\overset}{\overset}$ | natically set | | | 1m(| |
| | | for -238.0°F to 999.9°F whe and 0.1°F resolution is selec | | | Measurement current Maximum resistance per wire | 1mA 40Ω (bala |
| oFS oFS | S: Offset provides compens | sation for a known difference between tl | he temperature measured | | Linearization | 4052 (Dala |
| | by the sensor and the a | | | | Coefficient | + |
| (<i>DD</i> ₋ <i>D</i>) Offs | fset value: ±99 for resoluti | ion of 1° or ± 9.9 for resolution of 0.1°. E | Enter 0.0 for this example. | Temperature | | + |
| | | | | | Accuracy | |
| (5 <i>t</i> o r) Sav | ve Values | | | | Thermocouple | J |
| <i>8888</i> Run | n Mode | | | Fixed Display Range / Resolution | -150.0°C to 999 -150°C to 110 -238.0°F to 999 -238°F to 201 | |
| | | Cold junction compensation range | | | | |
| | | | | | | |
| | | | | | Accuracy | |
| I DPM2-AT-2RL-HL Example | le Application: | | 4-wire with external excitation | ר 🗕 | | |
| DC input, 0.0 to 100.0 display, relay 1 | | activates on an increase to a display va | lue of | Conversion | Accuracy | |
| C input, 0.0 to 100.0 display, relay 1 er 5 sec. delay. | 1 set for N.O. operation, | 1 | lue of TERMINALS CN2 TRANSDUCER | Conversion | Accuracy Technique | |
| C input, 0.0 to 100.0 display, relay 1 5 sec. delay. | 1 set for N.O. operation, ion download the comple | ete manual from www.AutomationDire | TERMINALS CN2 TRANSDUCER ect.com 1 7 0-10V | Conversion | Accuracy Technique Resolution | |
| C input, 0.0 to 100.0 display, relay 1 5 sec. delay. r additional configuration information | 1 set for N.O. operation, ion download the comple | ete manual from www.AutomationDire | lue of TERMINALS CN2 TRANSDUCER | Conversion | Accuracy Technique Resolution Conversion rate Range Type | |
| DC input, 0.0 to 100.0 display, relay 1 er 5 sec. delay. or additional configuration information <i>BB</i> Run Mode | 1 set for N.O. operation, ion download the comple | ete manual from www.AutomationDire NTER: Vertical displacement. P: Changes active digit. | lue of ect.com | Conversion Display | Accuracy Technique Resolution Conversion rate Range | |
| DC input, 0.0 to 100.0 display, relay 1 er 5 sec. delay. or additional configuration information <i>BB</i> Run Mode | 1 set for N.O. operation, ion download the comple ter lock out has 1 set for N.O. operation, ter lock out has 1 set for N.O. operation, 1 set for N.O. operation, | ete manual from www.AutomationDire | lue of ect.com | | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate | |
| DC input, 0.0 to 100.0 display, relay 1 fter 5 sec. delay. For additional configuration information BBB Run Mode Programming Mode: If total parameter been enabled. dAtA will be displayed | 1 set for N.O. operation, ion download the comple ter lock out has I instead of Pro. | ete manual from www.AutomationDire NTER: Vertical displacement. P: Changes active digit. | lue of ect.com | | Accuracy Technique Resolution Conversion rate Range Type LEDs | |
| TDC input, 0.0 to 100.0 display, relay 1 fter 5 sec. delay. For additional configuration information BBB Run Mode Propramming Mode: If total parameter been enabled. dAtA will be displayed $r \rho$ Input menu Display me | 1 set for N.O. operation, ion download the comple ter lock out has I instead of Pro. 5EEP | ete manual from www.AutomationDire NTER: Vertical displacement. P: Changes active digit. | lue of ect.com | Display | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate | |
| DC input, 0.0 to 100.0 display, relay 1 ter 5 sec. delay. For additional configuration information 7B Run Mode Programming Mode: If total parameter been enabled. dAtA will be displayed P • • • • • • • • • • • • • • • • • • • | 1 set for N.O. operation, ion download the comple ter lock out has l instead of Pro. | ete manual from www.AutomationDire NTER: Vertical displacement. P: Changes active digit. HIFT: Horizontal displacement. | lue of ect.com | | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display / Input overrange indication | |
| DC input, 0.0 to 100.0 display, relay 1 ter 5 sec. delay. For additional configuration information 788 Run Mode Programming Mode: If total parameter been enabled. dAtA will be displayed P Input menu Process Input $5 c RL$ Input $5 c RL$ Input $1 c entered maprogramming Input 1 c entered maDisplay me$ | 1 set for N.O. operation, ion download the comple ter lock out has i instead of Pro. | ete manual from www.AutomationDire VTER : Vertical displacement. P : Changes active digit. HIFT : Horizontal displacement. Relay configuration menu Relay 1 setpoint | lue of ect.com | Display | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display / Input overrange indication Temperature coefficient | |
| TDC input, 0.0 to 100.0 display, relay 1 fter 5 sec. delay. For additional configuration information BBB Run Mode Dro Programming Mode: If total parameter been enabled. dAtA will be displayed Dro Display me Display me | 1 set for N.O. operation, ion download the complet \bigcirc Instead of Pro. \bigcirc Instead of Pro. | ete manual from www.AutomationDire TTER : Vertical displacement. P : Changes active digit. TIFT : Horizontal displacement. Relay configuration menu Relay 1 setpoint Enter setpoint 80.0 for this example Relay 1 activates on an increasing display value to setpoint. When Relay 1 is not activated, the normall open contact is open and the normally close | lue of ect.com TERMINALS CN2 TRANSDUCER 0-10V +OUT-OUT -EXC.+EXC. COM. EXC. Relay output wiring 1 CM RELAY 1 Terminals CN3 Y | Display Accuracy Conditions Relays (DPM2-AT-2RL-HL only) | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display / Input overrange indication Temperature coefficient Warm-up time | Nominal contact rati Maximum switching Maximum switching Maximum switching Contact resistance Contact type Operate time |
| DC input, 0.0 to 100.0 display, relay 1 ter 5 sec. delay. For additional configuration information 7 8 8 9 9 9 9 9 9 9 9 | 1 set for N.O. operation, ion download the comple \blacksquare EN \blacksquare UF ter lock out has I instead of Pro. \blacksquare | ete manual from www.AutomationDire VTER : Vertical displacement. P : Changes active digit. HIFT : Horizontal displacement. Relay configuration menu Relay 1 setpoint Enter setpoint 80.0 for this example Relay 1 activates on an increasing display value to setpoint. When Relay 1 is not activated, the normall open contact is open and the normally close contact is closed. | hue of ect.com $ \begin{array}{c} $ | Display Accuracy Conditions Relays (DPM2-AT-2RL-HL only) Power Supply and | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display / Input overrange indication Temperature coefficient Warm-up time Temperature | Maximum switching Maximum switching Maximum switching Contact resistance Contact type |
| DC input, 0.0 to 100.0 display, relay 1 ter 5 sec. delay. For additional configuration information 7H Run Mode Programming Mode: If total parameter been enabled. dAtA will be displayed Process Input menu 0 0 1 1 1 1 1 1 1 1 | 1 set for N.O. operation, ion download the complet ion download the complet | ete manual from www.AutomationDire TTER : Vertical displacement. P : Changes active digit. TIFT : Horizontal displacement. Relay configuration menu Relay 1 setpoint Enter setpoint 80.0 for this example Relay 1 activates on an increasing display value to setpoint. When Relay 1 is not activated, the normall open contact is open and the normally close | ter TERMINALS CN2 TERMINALS CN2 TRANSDUCER 0-10V +OUT-OUT-EXC.+EXC. 0-10V +OUT-OUT-EXC.+EXC. COM. TRANSDUCER 0-10V +OUT-OUT-EXC.+EXC. EXC. Relay output wiring TRANSDUCER 0-10V EXC. Direct Access to Relay Setpoints (DPM2-AT-2RL-HL only) | Display Accuracy Conditions Relays (DPM2-AT-2RL-HL only) | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display / Input overrange indication Temperature coefficient Warm-up time Temperature | Maximum switching Maximum switching Maximum switching Contact resistance Contact type Operate time |
| DC input, 0.0 to 100.0 display, relay 1 fter 5 sec. delay. For additional configuration information BBB Run Mode r_{D} Programming Mode: If total parameter been enabled. dAtA will be displayed r_{D} e d5P $eInput menur_{D} ProcessInput f_{D} f_{D} f_{D}r_{D} r_{D} r_{D}r_{D} r_{D} r_{D}r_{D} r_{D} r_{D} r_{D} r_{D}r_{D} r_{D} r_{D}$ | 1 set for N.O. operation, ion download the complet ion download the complet | ete manual from www.AutomationDire TTER : Vertical displacement. P : Changes active digit. HIFT : Horizontal displacement. Relay configuration menu Relay 1 setpoint Enter setpoint 80.0 for this example Relay 1 activates on an increasing display value to setpoint. When Relay 1 is not activated, the normally open contact is open and the normally close contact is closed. Relay 1 changes state at SET 1 setpoint affittime delay Enter delay time | hue of ect.com $ \begin{array}{c} $ | Display Accuracy Conditions Relays (DPM2-AT-2RL-HL only) Power Supply and Fuses Power Consumption | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display / Input overrange indication Temperature coefficient Warm-up time Temperature | Maximum switching Maximum switching Maximum switching Contact resistance Contact type Operate time |
| VDC input, 0.0 to 100.0 display, relay 1 after 5 sec. delay. For additional configuration information BBB Run Mode Pro Programming Mode: If total parameter been enabled. dAtA will be displayed been enabled. dAtA will be displayed D D D D D D D D D D | 1 set for N.O. operation, ion download the complet | ete manual from www.AutomationDire TTER : Vertical displacement. P : Changes active digit. HIFT : Horizontal displacement. Relay configuration menu Relay 1 setpoint Enter setpoint 80.0 for this example Relay 1 activates on an increasing display value to setpoint. When Relay 1 is not activated, the normally open contact is open and the normally close contact is closed. Relay 1 changes state at SET 1 setpoint aff time delay Enter delay time of 5.0 sec for this example | hue of ext.com $TERMINALS CN2 TRANSDUCER 0-10V +OUT-OUT-EXC.+EXC COM. EXC. Relay output wiring I = CM 2 BBB Run Mode Programming Mode Programming Mode $ | Display Accuracy Conditions Relays (DPM2-AT-2RL-HL only) Power Supply and Fuses | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display refresh rate Display / Input overrange indication Temperature coefficient Warm-up time Temperature 2 Relays SPDT | Maximum switching Maximum switching Maximum switching Contact resistance Contact type Operate time |
| VDC input, 0.0 to 100.0 display, relay 1 after 5 sec. delay. For additional configuration information $\overline{P_{Pro}}$ Programming Mode: If total parameter been enabled. dAtA will be displayed $\overline{P_{Pro}}$ Programming Mode: If total parameter been enabled. dAtA will be displayed $\overline{P_{Pro}}$ Display me $\overline{P_{Pro}}$ Input menu $\overline{P_{Pro}}$ Process Input $\overline{P_{Pro}}$ Process Input $\overline{P_{Pro}}$ Input menu $\overline{P_{Pro}}$ Display me $\overline{P_{Pro}}$ Process Input $\overline{P_{Pro}}$ Display me $\overline{P_{Pro}}$ Display me $\overline{P_{Pro}}$ Process Input $\overline{P_{Pro}}$ Display me $\overline{P_{Pro}}$ Display and correspond $\overline{P_{Pro}}$ Save values $\overline{P_{Pro}}$ Enter 0 for $\overline{P_{Pro}}$ Select desi $\overline{P_{Pro}}$ Display 9 $\overline{P_{Pro}}$ Display 9 \overline | 1 set for N.O. operation, ion download the completion download the completion \mathbb{P}_{2} is the set of Pro. 1 instead of Pro. 1 instead of Pro. \mathbb{P}_{2} is the set of \mathbb{P}_{2} is the set o | ete manual from www.AutomationDire TTER : Vertical displacement. P : Changes active digit. HIFT : Horizontal displacement. Relay configuration menu Relay 1 setpoint Enter setpoint 80.0 for this example Relay 1 activates on an increasing display value to setpoint. When Relay 1 is not activated, the normally open contact is open and the normally close contact is closed. Relay 1 changes state at SET 1 setpoint affittime delay Enter delay time | Alue of ect.com TERMINALS CN2 TRANSDUCER 0-10V UT-OUT-EXC.+EXC UT-OUT-EXC.+EXC COM. EXC. Relay output wiring I C C Relay output wiring I C RELAY 1 Terminals CN3 Ved ter Direct Access to Relay Setpoints (DPM2-AT-2RL-HL only) BBBB Run Mode Programming Mode Programming Mode Programming Mode | Display Accuracy Conditions Relays (DPM2-AT-2RL-HL only) Power Supply and Fuses Power Consumption | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display refresh rate Display / Input overrange indication Temperature coefficient Warm-up time Temperature 2 Relays SPDT Cutoff frequency (-3dB) | Maximum switching Maximum switching Maximum switching Contact resistance Contact type Operate time |
| VDC input, 0.0 to 100.0 display, relay 1 after 5 sec. delay. e: For additional configuration information BBBB Run Mode Pro Programming Mode: If total parameter been enabled. dAtA will be displayed InP Process Input menu Proc Process Input $ScAL$ entered ma programming Input $Input signalcorrespondInP Save values BBBB Enter 0 forBBBB$ Run Mode BBBB Enter 0 for BBBB Enter 0 for | 1 set for N.O. operation, ion download the completion of the comp | ete manual from www.AutomationDire TTER : Vertical displacement. P : Changes active digit. HIFT : Horizontal displacement. Relay configuration menu Relay 1 setpoint Enter setpoint 80.0 for this example Relay 1 activates on an increasing display value to setpoint. When Relay 1 is not activated, the normally open contact is open and the normally close contact is closed. Relay 1 changes state at SET 1 setpoint aff time delay Enter delay time of 5.0 sec for this example | hue of ect.com TERMINALS CN2 TRANSDUCER 0-10V +OUT-OUT-EXC.+EXC COM. EXC. Relay output wiring 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | Display Accuracy Conditions Relays (DPM2-AT-2RL-HL only) Power Supply and Fuses Power Consumption Filter | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display refresh rate Display / Input overrange indication Temperature coefficient Warm-up time Temperature 2 Relays SPDT Slope Operating temperature Storage temperature | Maximum switching Maximum switching Maximum switching Contact resistance Contact type Operate time |
| WDC input, 0.0 to 100.0 display, relay 1 after 5 sec. delay. e: For additional configuration information BBBB Run Mode Pro Programming Mode: If total parameter been enabled. dAtA will be displayed InP Input menu Process InP1 and I entered ma programming Input Input Input Input Input Input Input Input Input Input signalcorrespond $InputInput signalcorrespondInputInput signalcorrespondInputInput signalcorrespondInputInput signalcorrespondInputInput signalcorrespondInputInput signalcorrespondInputInput signalcorrespondInput sinput signalcorrespondInput signalcorrespondI$ | 1 set for N.O. operation, ion download the complet ion download the complet | ete manual from www.AutomationDire VTER : Vertical displacement. P : Changes active digit. HIFT : Horizontal displacement. Relay configuration menu Relay 1 setpoint Enter setpoint 80.0 for this example Relay 1 activates on an increasing display value to setpoint. When Relay 1 is not activated, the normally open contact is open and the normally close contact is closed. Relay 1 changes state at SET 1 setpoint affittime delay Enter delay time of 5.0 sec for this example Save values | Image: Sector of the sector | Display Accuracy Conditions Relays (DPM2-AT-2RL-HL only) Power Supply and Fuses Power Consumption | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display refresh rate Display / Input overrange indication Temperature coefficient Warm-up time Temperature 2 Relays SPDT Cutoff frequency (-3dB) Slope Operating temperature | Maximum switching Maximum switching Maximum switching Contact resistance Contact type Operate time |
| VDC input, 0.0 to 100.0 display, relay 1 after 5 sec. delay. : For additional configuration information 77.0 Programming Mode: If total parameter been enabled. dAtA will be displayed 7.0 Programming Mode: If total parameter been enabled. dAtA will be displayed 7.0 Process Input 9. Display me 9. Process Input 9. Display me 9. Process 9. Input menu 9. Process 9. Input 9. Display me 9. Correspond 9. Correspond 9. Save values 9. BBB Run Mode 9. Run Mode 9. BBB Enter 0 for 9. Select desi 9. Display val 9. Correspond 9. Correspond 9. Display val 9. Correspond 9. Correspond 9. Display val 9. Correspond 9. Correspond 10. Co | 1 set for N.O. operation, ion download the complet ion download the complet | ete manual from www.AutomationDire VTER : Vertical displacement. P : Changes active digit. HIFT : Horizontal displacement. Relay configuration menu Relay 1 setpoint Enter setpoint 80.0 for this example Relay 1 activates on an increasing display value to setpoint. When Relay 1 is not activated, the normally open contact is open and the normally close contact is closed. Relay 1 changes state at SET 1 setpoint affittime delay Enter delay time of 5.0 sec for this example Save values | hue of ect.com TERMINALS CN2 TRANSDUCER 0-10V +OUT-OUT-EXC.+EXC COM. EXC. Relay output wiring 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | Display Display Accuracy Conditions Relays (DPM2-AT-2RL-HL only) Power Supply and Fuses Power Consumption Filter Environmental | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display refresh rate Display / Input overrange indication Temperature coefficient Warm-up time Temperature 2 Relays SPDT Cutoff frequency (-3dB) Slope Operating temperature Relative humidity (ron-condensing) Maximum altitude | Maximum switching Maximum switching Maximum switching Contact resistance Contact type Operate time |
| VDC input, 0.0 to 100.0 display, relay 1after 5 sec. delay.e: For additional configuration information $BBBB$ Run Mode Pro $Programming$ Mode: If total parameter $been enabled.$ dAtA will be displayed InP $Input$ $Proc$ ProcessInput $Input$ < | 1 set for N.O. operation, ion download the complete (a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c | ete manual from www.AutomationDire VTER : Vertical displacement. P : Changes active digit. HIFT : Horizontal displacement. Relay configuration menu Relay 1 setpoint Enter setpoint 80.0 for this example Relay 1 activates on an increasing display value to setpoint. When Relay 1 is not activated, the normally open contact is open and the normally close contact is closed. Relay 1 changes state at SET 1 setpoint affittime delay Enter delay time of 5.0 sec for this example Save values | Alue of ect.com TERMINALS CN2 TERMINALS CN2 Oliv OUT-OUT-EXC.+EXC OUT-OUT-EXC.+EXC EXC. Relay output wiring TELAY 1 Terminals CN3 Direct Access to Relay Setpoints (DPM2-AT-2RL-HL only) BBBB Run Mode Programming Mode SEE 1 BBBB Enter setpoint value for relay 1 SEE 2 Enter setpoint value for relay 1 | Display Display Accuracy Conditions Relays (DPM2-AT-2RL-HL only) Power Supply and Fuses Power Consumption Filter Environmental Conditions | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display refresh rate Display / Input overrange indication Temperature coefficient Warm-up time Temperature 2 Relays SPDT Cutoff frequency (-3dB) Slope Operating temperature Storage temperature Relative humidity (non-condensing) | Maximum switching Maximum switching Maximum switching Contact resistance Contact type Operate time |
| been enabled. dAtA will be displayed nP been enabled. dAtA will be displayed D bisplay me Process nP1 and I entered ma programmi nP1 input nP1 input nP1 input signa correspond display values BBBB Run Mode BBBB Enter 0 for BBBB Enter 0 for BBBB Enter 0 for BBBB Enter 0 for D bisplay values BBBB Enter 0 for D bisplay values D | 1 set for N.O. operation, ion download the complete (a) (a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c | ete manual from www.AutomationDire VTER : Vertical displacement. P : Changes active digit. HIFT : Horizontal displacement. Relay configuration menu Relay 1 setpoint Enter setpoint 80.0 for this example Relay 1 activates on an increasing display value to setpoint. When Relay 1 is not activated, the normally open contact is open and the normally close contact is closed. Relay 1 changes state at SET 1 setpoint affittime delay Enter delay time of 5.0 sec for this example Save values | Alue of ect.com TERMINALS CN2 TERMINALS CN2 TERMINALS CN2 TERMINALS CN2 TERMINALS CN2 TERMINALS CN2 TERMINALS CN2 TERMINALS CN3 TERMINALS CN3 TERM | Display Display Accuracy Conditions Relays (DPM2-AT-2RL-HL only) Power Supply and Fuses Power Consumption Filter Environmental | Accuracy Technique Resolution Conversion rate Range Type LEDs Display refresh rate Display refresh rate Display / Input overrange indication Temperature coefficient Warm-up time Temperature 2 Relays SPDT Cutoff frequency (-3dB) Slope Operating temperature Relative humidity (ron-condensing) Maximum altitude | Maximum switching Maximum switching Maximum switching Contact resistance Contact type Operate time |

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Quick start guide: DPM2-AT-HL, DPM2-AT-2R-HL

| | hnical Spec | ifications | | | | | |
|--|---|---|---|--|--|--|--|
| ut lance | Resolution | Accuracy | | | | | |
| Ω | 2μΑ | | ±(0.1% rdg+15µA) | | | | |
| Ω | 1mV | | ±(0.1% rdg+6mV) | | | | |
| Ω | 20mV | ±(0.1% rdg+0.1V) | | | | | |
| | | 24V±3V@30mA | | | | | |
| mum rement rent | Resolution | | Accuracy | | | | |
| mA | 0.01% F.S. | | ±(0.1% rdg+0.05% F.S.) | | | | |
| nA | 0.1Ω | ±(0.1% rdg+0.7Ω) | | | | | |
| μA | 1Ω | | ±(0.1% rdg+6Ω) | | | | |
| AL | 10Ω | | ±(0.1% rdg+35Ω) | | | | |
| t100 (3 | wire) | | Pt1000 (2 wire) | | | | |
| | | -200.0°C to 800.0 -200°C to 800° -328.0°F to 999.9 -328°F to 1472 | °C / 1°C °F / 0.1°F °F / 1°F | | | | |
| 1mA | | | 100µA | | | | |
| 40 Ω (bala | anced) | | - | | | | |
| | | IEC 6075 | | | | | |
| | | 0.00385 ±(0.15% rdg+0.5°C), t<-50°C ±(1% rdg+0.5°C) ±(0.15% rdg+0.9°F), t<-58°F ±(1% rdg+0.9°F) | | | | | |
| J | | K | Т | N | | | |
| °C to 999.9°C / 0.1°C °C to 1100°C / 1°C °F to 999.9°F / 0.1°F | | -150.0°C to 999.9°C / 0.1°C -150°C to 1200°C / 1°C -238.0°F to 999.9°F / 0.1°F | -150.0°C to 400.0°C / 0.1°C -150°C to 400°C / 1°C -238.0°F to 752.0°F / 0.1°F | -150.0°C to 999.9°C / 0.1° -150°C to 1300°C / 1°C -238.0°F to 999.9°F / 0.1° | | | |
| S°F to 201 | 2°F / 1°F | -238°F to 2192°F / 1°F -10°C to 60°C (14° | -238°F to 752°F / 1°F | -238°F to 2372°F / 1°F | | | |
| | ±(0.1% rdg+ | | ±(0.2% rdg+0.8°C) | ±(0.1% rdg+0.6°C) | | | |
| | ±(0.1% rdg+ | | ±(0.2% rdg+1.5°F) | ±(0.1% rdg+1.1°F) | | | |
| | | Sigma-De | | | | | |
| | | ±16 bits | | | | | |
| | | 20 times per s | | | | | |
| | | -9999 to +9999, selectable d 4 digit 14mm (0. | | | | | |
| | | Relay 1, Rel | <i>p</i> - | | | | |
| | | 50ms | ay 2 | | | | |
| | | "- OUE" , "O | IUE" | | | | |
| | | 100 ppm/ | | | | | |
| | | 5 minute | | | | | |
| | | 23°C±5° | C | | | | |
| switching switching switching sistance pe | g current (resistiv g power g voltage | 8A at 250VAC / 2 e load)8A 8A | 0 | | | | |
| | | ≤10ms 265VDC (Recommended fusing) | 34/250V DIN /1661) | | | | |
| 200 VAU | 50/00 HZ UL 11-2 | | Jry2JUV, DIN 41001) | | | | |
| | | 3W | 2017 | | | | |
| | | 7.3Hz to 0.1 -20dB/De | | | | | |
| | | -10°C to +60°C (14 | | | | | |
| | | -25°C to +85°C (-13 | | | | | |
| | | <95% @ 40°C | - | | | | |
| | | 2000m | | | | | |
| IP65 | | | | | | | |
| No corrosive gases permitted | | | | | | | |
| | | CE | | | | | |

• For additional information on this product download the complete manual from www.AutomationDirect.com • For additional technical support and questions, call our Technical Support team @ 1-800-633-0405 or 770-844-4200



P.2