



DIGITAL PYROMETERS DPY-4118U-A SERIES

- SOLID-STATE DESIGN
REPLACES ANALOG METERS
- NO OUTSIDE POWER REQUIRED
- MONITORS UP TO 18 POINTS
- INTRINSICALLY SAFE
- 1° RESOLUTION, 1% ACCURACY
- ONE MODEL FITS ALL APPLICATIONS
 - SELECTABLE DISPLAY °C. OR °F.
 - SELECTABLE J OR K THERMOCOUPLE
- RUGGED, ANODIZED ALUMINUM CASE



CERTIFIED
CLASS I, GROUP D
INTRINSICALLY SAFE

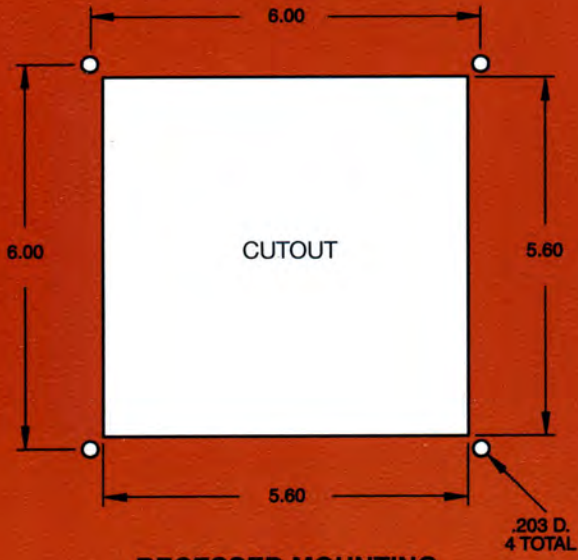
The Altronic DPY-4118U-A digital pyrometer is an electronic instrument designed to monitor temperatures using industry standard type J or K thermocouple probes. A front panel sealed membrane switch allows the user to scan through the 18 channels. The display indicates both the channel number and the monitored temperature. The device is powered by long life lithium batteries with a 10-minute readout period each time the membrane switch is activated. The lithium batteries provide substantial life, even at the elevated temperatures common to industrial environments.

The instrument can be set by the user for readout in either degrees C. or F. and to operate with either type J or K thermocouples (all one type). Cold junction compensation is provided eliminating the need for field calibration and matched lengths of thermocouple extension wire. An open thermocouple is indicated by a specific display readout and there is also indication of low battery voltage. The device is housed in a gasketed, anodized aluminum case and assembled using stainless steel hardware making them ideal for oilfield or other demanding environmental applications.

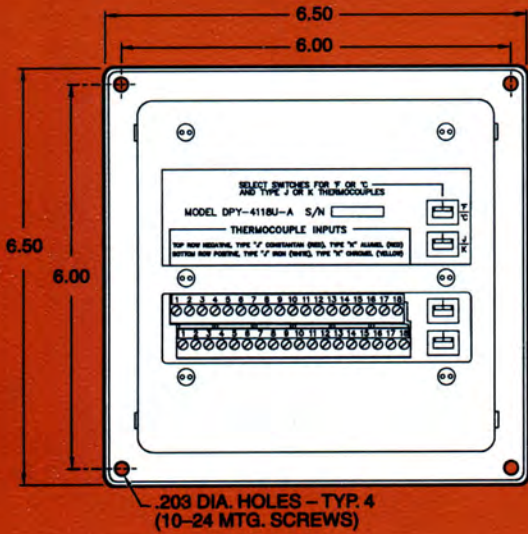
The DPY-4118U-A is an intrinsically safe design, CSA certified for use in Class I, Group D hazardous areas.



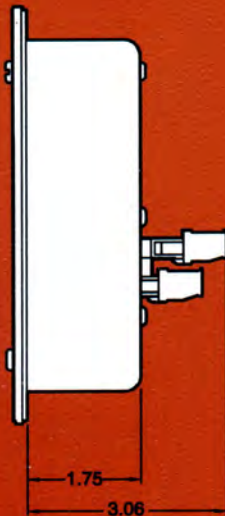
DIMENSIONS



RECESSED MOUNTING



.203 DIA. HOLES - TYP. 4
(10-24 MTG. SCREWS)



SPECIFICATIONS

- POWER REQUIREMENT NONE – SELF-POWERED BY LITHIUM BATTERIES
- HAZARDOUS AREA CLASSIFICATION CLASS I, GROUP D, INTRINSICALLY SAFE
- INSTRUMENT DISPLAY 6-DIGIT LCD, 0.5 INCH HEIGHT
- DISPLAY READOUT DEGREES C. OR F. (USER SELECTABLE)
- INSTRUMENT RANGE 32°F. TO 1500°F. / 0°C. TO 800°C.
- INSTRUMENT ACCURACY ± 1% OF READING, ± 3 DEGREES
- DISPLAY UPDATE RATE 3 TIMES PER SECOND
- AMBIENT TEMPERATURE RANGE -40°F. TO +175°F. / -40°C. TO +80°C.
- THERMOCOUPLE TYPE J OR K (USER SELECTABLE)
- COLD JUNCTION COMPENSATION AUTOMATIC

TO ORDER

18-PT. DIGITAL PYROMETER DPY-4118U-A



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