

DIGITAL PYROMETERS WITH ALARM SWITCH DPYH-4300 SERIES

- 4, 6, AND 8-POINT MODELS
- AVAILABLE WITH INDIVIDUAL SETPOINT FOR EACH CHANNEL
- MICROPROCESSOR-BASED
- RUGGED, ANODIZED ALUMINUM CASE
- UNIVERSAL FEATURES:
 - SELECTABLE °C or °F READOUT
 - SELECTABLE J or K THERMOCOUPLE
 - POWERED FROM C.D. IGNITION OR 12–48 VDC
 - SOLID STATE LIMIT SWITCHES
- UNIVERSAL APPLICATION:

Compressor process gas temperatures
Engine water and oil temperatures
Cylinder exhaust temperatures
Turbocharger inlet/outlet temperatures
Catalytic converter inlet/outlet temperatures
Critical points on heavy-duty machinery

The Altronic DPYH-4300U digital pyrometers are electronic instruments designed to monitor temperatures using industry-standard type J or K thermocouple probes. Models are available having 4, 6 or 8 channels. All versions can be set for readout in either degrees C. or F. and may be powered from either a C.D. ignition system or 12–48 Vdc.

In the DPYH-4390U series, an individual high alarm setpoint is provided for each channel. Model DPYH-4354U has one common setpoint for four channels. The setpoints are adjustable by the user from the front of the device using the display. Each alarm channel has its own dedicated normally-open solid-state output switch suitable for hook-up to an Altronic annunciator or DC-operated relay.

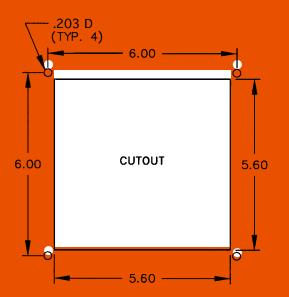
The display indicates both the channel number and the monitored temperature. A push of the sealed membrane keypad allows any channel to be displayed for readout or for a continuous scan of all channels; all points are continuously monitored internally for alarms. All device configuration data and setpoints are entered through the front keypad.

Cold junction compensation is provided, eliminating the need for field calibration. An open thermocouple is indicated by a specific display readout. The devices are housed in a gasketed, anodized aluminum case and assembled using stainless steel hardware, making them ideal for oilfield or other demanding environmental applications.

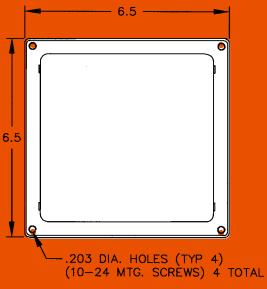


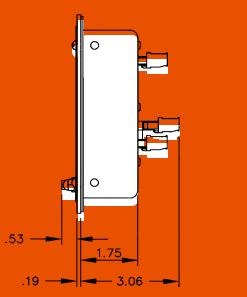


DIMENSIONS



RECESSED MOUNTING





SPECIFICATIONS

POWER REQUIREMENT	
HAZARDOUS AREA CLASSIFICATION CLASS I, GROUP D, DIV. 2 SEE TO "ORDER" INFORMATION FOR CLASS I, GROUP D, DIV. 1	
INSTRUMENT DISPLAY5-DIGIT LCD, 0.4 INCH HEIGHT	
DISPLAY READOUT DEGREES C. OR F. (USER SELECTABLE)	
INSTRUMENT RANGE READOUT	
INSTRUMENT ACCURACY±1% OF READING, ±3 DEGREES	
DISPLAY UPDATE RATE 3 TIMES PER SECOND	
SETPOINT SWITCH RATING: SOLID STATE, NORMALLY OPEN DPYH-4354U/4394U	
AMBIENT TEMPERATURE RANGE40°F. TO +175°F. / -40°C. TO +80°C.) .
THERMOCOUPLE TYPETYPE J OR K (USER SELECTABLE)	
COLD JUNCTION COMPENSATION AUTOMATIC	

TO ORDER

DIGITAL PYROMETER

4 POINTS WITH COMMON SETPOINT	DPYH-4354U*
4 POINTS WITH INDIVIDUAL SETPOINTS	DPYH-4394U
6 POINTS WITH INDIVIDUAL SETPOINTS	DPYH-4396U
8 POINTS WITH INDIVIDUAL SETPOINTS	DPYH-4398U
*Replaces former models DPYH-4354U-J and -K.	

CLASS I, GROUP D, DIVISION I HAZARDOUS AREA APPLICATION

Use Altronic Barrier and certified Altronic annunciator:	
Negative ground C.D. ignition	. 690 107
Positive ground C.D. ignition	. 690 108
Cable assembly	. 693 106-1

NOTE: For DC-powered applications, use a CSA-certified zener barrier rated at 30 volts max., 120 ohms min., such as Stahl part no. 9001/01-280-165-10.

