DA Series FlexEdge Module, Dual PID, Relay Outputs

Item number: DAM00PDP2R000000

The FlexEdge 2PID with Relay Outputs Module easily upgrades, adapts and expands almost any industrial application with a field-installable module. Rugged packaging built for long life and superior performance in harsh conditions. Dual loop PID control with 3 Form A relay and 1 Form C relay outputs.



Enhance your DA70 controller with true modular PID control for multi-zone control applications.

Features and benefits

Field-installable I/O for your DA72

Do more with your DA70. Plugs easily into your FlexEdge for additional input and output capability. Auto-addressing minimizes configuration time.

Universal inputs

Accept TC, RTD, 0-10 V and 0/4-20 mA signals

Flexible operation

Module can operate in On/Off, P, PI, or PID control mode, and use an on-demand Auto-Tune that establishes the tuning constants. The PID constants may be fine-tuned through the serial or Ethernet interface.

Simple to set up and deploy

Pluggable wire clamp screw block terminals are provided for the I/O wiring connections. Comes with an on-device wiring diagram.

Designed for harsh industrial environments

Engineered to deliver uncompromising performance in demanding environments. IP30 enclosure. Operating temperature of -40 °C to 70 °C.

Power supplied by FlexEdge DA70 host controller

Maximum power is 2.7 W. Hot-swappable in non-hazardous locations.

Dual PID control

Perform virtually any combination of time proportioning for heat, cool, or heat/cool applications. PID control with overshoot suppression that allows the quickest response without excessive overshoot.

Relay outputs

Outputs 1 , 2 and 4 available as Form A relay. Output 3 is Form C relay.

Easy to use graphical interface

Configured with Crimson® configuration software (version 3.2 or later). User-friendly web browser interface make it easy to set up new systems and recalibrate.

LED status monitoring

One status LED shows module condition. Output LEDs indicate status of outputs. Alarm LEDs are lit during an internal alarm condition.

Leading industry certifications

Class 1, Division 2 approval for hazardous locations. ABS type approval for shipboard applications. CE approved and RoHS compliant.

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General

Net Weight (g)	0.01
Packed Width (mm)	215.9
Packed Height (mm)	127
Packed Depth (mm)	215.9
Packed Weight (g)	0.01
Operating Temperature °C Min	-40
Operating Temperature °C Max	70
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	0 to 85% max. Relative humidity, non-condensing
Power Consumption (W)	0
Maximum Installation Altitude (m)	2000
Mounting	DIN rail mount (bracket included)
Housing Materials	Metal Housing, Plastic
Packaging Material	Cardboard
Warranty (years)	1

Identification and Status

Product ID	DAM00PDP2R000000
Country of Origin	United States of America (the)
HS Code	8517790000

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Identification and Status

Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

Physical Features

Connectors / Input / Output	plug-in jacks
SD Card Slot	Yes
Flash Drive	No
Contains Battery	No

Certifications and Standards

Protection Class IP	IP30
RoHS Compliant	Yes
CE	Yes
FCC	No
UKCA	Yes
UL	No
ATEX	No
DNV	No
KC	No
Vibration and Shock	Shock: IEC 60068-2-27: Operational 15 g