



DA Series FlexEdge Module, Single PID, Relay and Analog Outputs

Item number: DAM00PDP1RA00000

The FlexEdge 1PID with Relay and Analog 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. Single loop PID control with 3 relay outputs + 1 analog output.



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

Features and benefits

- ✓ **Field-installable I/O for your DA70**
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
- ✓ **Relay outputs**
Outputs 1 and 2 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.
- ✓ **Single PID control**
Perform virtually any combination of time proportioning or linear control for heat, cool, or heat/cool applications. PID control with overshoot suppression that allows the quickest response without excessive overshoot.
- ✓ **DC analog output**
The DC Analog Output (10 V or 20 mA) can be independently configured and scaled for control or re-transmission purposes.
- ✓ **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 3.3 W. Hot-swappable in non-hazardous locations.

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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 95% max. RH noncondensing
Power Consumption (W)	2
Maximum Installation Altitude (m)	2000
Mounting	DIN rail mount (bracket included)
Housing Materials	Metal Housing, Plastic
Packaging Material	Cardboard
Warranty (years)	3
Identification and Status	
Product ID	DAM00PDP1RA00000
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