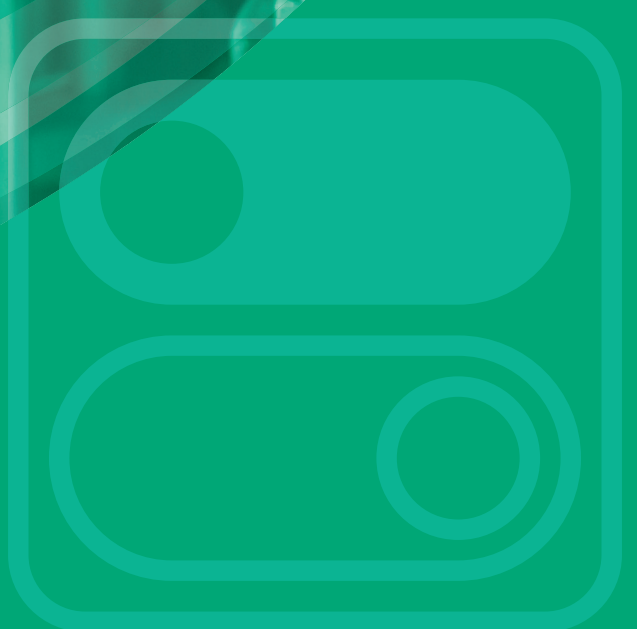


9

PERIPHERALS & INTERFACES



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Current Switches

Sontay's range of current switches offer fixed or adjustable setpoint and provide accurate, reliable and maintenance-free operation. Solid and split-core versions are available, with current ratings of up to 150A. Output switching options include 0.75A @ 30V AC/DC or 1A @ 240V AC.

Adjustable setpoint types

The PM-CS series of adjustable setpoint current switches allow easy detection of broken drive belts, drive belt slip or pump coupling shear. A typical HVAC motor that loses its load has a reduction of current draw of up to 50%.

Applications

- Detection of fan belt breakage & motor failure
- Verifying lighting circuits
- Monitoring critical motors (compressors etc.)
- Process equipment status

Features

- Adjustable set-point
- More reliable & amp; cost-effective than differential pressure switches (no fitting or tapping)
- 100% solid-state output, no moving parts to fail
- Output status LEDs for fast setup
- Self-powered

Fixed setpoint types

The PM-CS series of fixed setpoint current switches provide a cost-effective solution for monitoring the status of unit vents, exhaust fans, re-circulation pumps and other fixed loads where belt loss is not a concern.

Applications

- Detection of motor failure
- Verifying lighting running times
- Monitoring critical motors (compressors etc.)
- Process equipment status

Features

- Miniature size
- Self-powered, no supply required
- 100% Solid state, no moving parts to fail

PM-CS Series

Type	Core	Part No.
Adjustable setpoint		
0.5 to 150A	30V AC/DC	Solid
	30V AC/DC	Split
0.75 to 150A	240V AC/DC	Split
Fixed setpoint		
0.25 to 150A	30V AC/DC	Solid
0.35 to 150A	30V AC/DC	Split
0.5 to 150A	240V AC/DC	Split



Current Switches

Adjustable setpoint types

These devices are powered by induction from the monitored AC conductor which passes through the hole/core. They sense the current flow and can thereby monitor the operation/failure of fans, pumps, motors, etc. The normally open triac switch closes when the current flow exceeds the set point. The switch point is adjustable via a multi turn pot.

Specification

Switch rating max.: 250V DC 1A
Input frequency range: 10-400Hz

Fixed setpoint types

These units are powered by induction from the monitored AC conductor which passes through the hole/core. They sense current flow and can monitor the operation/failure of fans, pumps, motors etc. Simply connect 2 wires to indicate run/fail - the normally open switch contacts close when the setpoint is exceeded. The GNG models incorporate dry contacts for true digital switching.

Specification

Switch rating: 30V AC / 40V DC 0.5A
On state volt drop: <0.1V (@24V DC @ 150mA)

ESOL... /ESLT... Series

Type	Conductor Current Input Range	Set Points	Part No.
Adjustable setpoint			
Solid core	1.025-6, 6-40, 40-200A	Adj.	ESOL-325NS
	1.6-6, 6-40, 40-200A	Adj.	ESLT-325NS
Fixed setpoint			
Solid core	0-5 to 200A auto ranging	1A Fixed	ESOL-GNG
	1-5 to 200A auto ranging	2.5A Fixed	ESLT-GNG

Alarm Annunciators - 1 to 2 Channel

The UI-AA series are used in conjunction with one or two analogue or VFC signals to provide low cost local audible and visual alarm facilities. The units can accept voltage, current and VFC switched inputs.

Adjustment of alarm threshold and the time delay before an alarm is standard on all models. A mute button silences the audible alarm, whilst the visual alarm will not reset until the monitored parameter returns to within its desired range.

UI-AA... Series

Description	Part No.
1-channel Interface Panel	UI-AA-1-F
2 channel	UI-AA-2-F



Alarm Annunciators - 1 to 4 Channel

The AX-AA range of alarm annunciators accept a volt free contact to provide audible and visual alarms at a very competitive price point. Features include adjustable threshold and time delay, versions with up to 4 channels and an alarm output relay.

AX-AA... Series

Description	Part No.
Alarm annunciator - 1 channel	AX-AA-1
Alarm annunciator - 2 channel	AX-AA-2
Alarm annunciator - 3 channel	AX-AA-3
Alarm annunciator - 4 channel	AX-AA-4



Plant Extension Timer

The AX-PET is an electronic timer switch that provides energy saving functionality in ventilation, boiler and lighting installations.

AX-PET

Description	Part No.
Plant extension timer	AX-PET