



ADJUSTABLE SWITCHES ACS2, ACSX2, ASCS2 & ASCSX2 Series

The Adjustable Current Switches are designed for use in any AC current monitoring application in which you are looking to monitor a particular piece of equipment for equipment failure, preventative maintenance, status, and electrical load status. The current switches should be installed on the line side of the power to the electrical equipment. The current switches are available in both solid and split-core versions which also includes a Patented 35 mm Din Rail mounting foot for easy installation in panel mount applications. The solid-core versions are a great choice for new installations or OEM applications in which cost sensitivity, lower trip points and environmental issues may be of concern. The split-core version of the current switches work great in retrofit applications and for use on service technicians vehicles since one part will work in most applications and can be easily installed without disconnecting any wires. The adjustable current switches can be used to determine the run time of your equipment as well as basic

load trending applications where you want to know when how long your piece of equipment runs when logging the contact closures on your building management system or PLC.

Applications: Overload Conditions, Underload Conditions, Normal Operating Conditions, Broken Belts, Belt Slippage, Locked Rotors, Equipment Failure, Fans, Pumps, Compressors, Motors, Ovens, Industrial Equipment, Lighting Status and Usage, Electrical Load Status, Local Alarms (Strobes and Audible Alarms), Preventative Maintenance Scheduling

The Adjustable Current Switches are covered by ACI's Five (5) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's website, www.workaci.com.

Monitored Current Type:	AC Current			
Maximum AC Voltage:	600 VAC			
Operating Frequency Range:	40 to 1 kHz			
Core Style:	Solid-Core and Split-Core Versions available (See Ordering Grid)			
Sensor Power:	Induced from the Monitored Conductor			
Amperage Range:	See Ordering Grid			
Isolation Voltage:	2200 VAC			
Trip Point Style Trip Point:	Adjustable Trip Point See Ordering Grid			
Hysteresis:	10% of trip point, typical			
Contact Type:	Normally-Open "N/O" or Normally-Closed "N/C" (See ordering Grid)			
"Status" Contact Rating:	0.2A @ 200 VAC/VDC			
"Status" Contact "On" Resistance "Off" Resistance:	< 10 Ohms (tripped) > 1 Meg Ohms (Open)			
Response Time:	See Response Time Table on back of data sheet			
Status LED Indication 1:	Red LED (Current above Trip Point) Blue LED (Current Below Trip Point)			
Aperture Size:	0.75" (19.05 mm)			
Din Rail Size:	35 mm (U.S. Patent No. 7,416,421)			
Operating Temperature Range:	5 to 104°F (-15 to 40°C)			
Operating Humidity Range:	0 to 95%, non-condensing			
Recommended Storage Temperature RH Range:	41 to 95°F (5 to 35°C) 40% to 85% RH, non-condensing			
Enclosure Material Flammability Rating:	PC/ABS (Polycarbonate/ABS Blend) UL94-V0			
Wiring Connections:	2 Position Screw Terminal Block (Not Polarity Sensitive)			
Wire Size:	16 to 22 AWG (1.31 mm2 to 0.33 mm2) Copper Wires only			
Terminal Block Torque Rating:	4.43 to 5.31 in-lbs. (0.5 to 0.6 Nm)			
Minimum Mounting Distance:	1" (2.6 cm) between current switch (Relays, Contactors, Transformers)			
Agency Approvals:	UL/CUL US Listed (UL 508) Ind. Control Equipment (File # E309723), CE, RoHS2, WEEE, UKCA			
Product Weight:	A/ACS2 and A/ACSX2 : 0.216 lbs. (0.097kg) A/ASCS2 : 0.270 lbs. (0.123 kg)			
r rounce treigille	A/ASCSX2: 0.266 lbs. (0.121 kg) A/ASCS2-L: 0.280 lbs. (0.127 kg)			
Product Dimensions (L x W x H):	Solid Core Versions: 2.760" (70.11 mm) x 3.343" (84.92 mm) x 1.050" (26.67 mm)			
i i vaact Dinielisiviis (E A W A II).	Split Core Versions: 2.780" (70.51 mm) x 3.238" (82.25 mm) x 1.120" (28.45 mm)			

Call: 1-888-967-5224 | Web: www.workaci.com

Note1: The LED should not be used to determine if current is present. At low currents the LED may not be visible









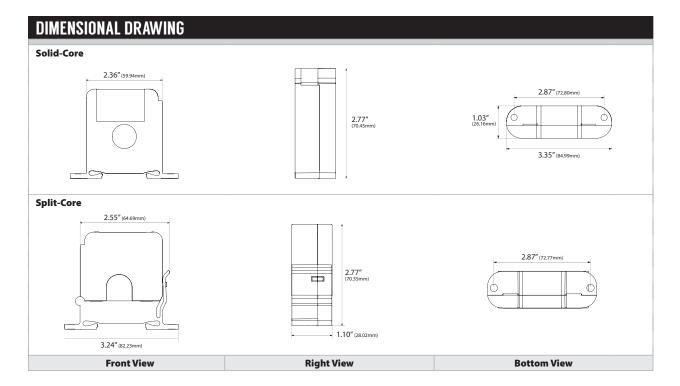






CURRENT | ADJUSTABLE SWITCHES





RESPONSE TIME									
Model #	0.50 Amps	0.60 Amps	0.75 Amps	1.0 Amp	1.50 Amps	10 Amps	20 Amps		
A/ACS2	221mS		144mS	109mS		63mS	59mS		
A/ACSX2	260mS		169mS	130mS		82mS	74mS		
A/ASCS2					248mS	68mS	65mS		
A/ASCSX2					344mS	92mS	86mS		
A/ASCS2-L		400mS	270mS	183mS		62mS	60mS		

Note: ---- = unit was not tested (below minimum trip point or for that range)

STANDARD ORDERING Model # Example: A/ACS2 -OR- 142355									
Model #	Item #	Trip Point Type	N/O	N/C	Solid-Core	Split-Core	Amp Range	Trip Point	Contact Rating
A/ACS2	142355	Adjustable	•		•		0 to 250A	0.5 to 220A	0.2A @ 200 VAC/VDC
A/ACSX2	142354	Adjustable		•	•		0 to 250A	0.5 to 220A	0.2A @ 200 VAC/VDC
A/ASCS2	142353	Adjustable	•			•	0 to 250A	1.5 to 220A	0.2A @ 200 VAC/VDC
A/ASCSX2	142370	Adjustable		•		•	0 to 250A	1.5 to 220A	0.2A @ 200 VAC/VDC
A/ASCS2-L	142352	Adjustable	•			•	0 to 250A	0.6 to 180A	0.2A @ 200 VAC/VDC

The Adjustable Current Switches are not intended to be used in Life / Safety Applications or in Hazardous / Classified Locations











