

"CT STYLE" CURRENT PROVING SWITCH

TYPES: FOX.CS-020 (0.2-20 Amps)
FOX.CS-200 (2-200 Amps)



FEATURES

- Din rail mounted
- Foot mounted option available on request
- Compact
- FOX.CS-020 range 0.2-20 Amps adjustable
- FOX.CS-200 range 2-200 Amps adjustable
- Self powered from flowing current
- No separate auxiliary supply required
- Dual LED indication
- Normally open output switch
- CE marked
- RoHS compliant



**IDEAL FOR HVAC MARKET
 FOR SMALL FAN & PUMP
 FAILURE MONITORING!**

DESCRIPTION & MODE OF OPERATION

Compact Din rail or foot mounted "CT" style AC current proving switch, available in two sensing ranges, 0.2-20 Amps or 2-200 Amps adjustable. On current flowing of at least 0.2 Amps or 1 Amp (depending on type) the **power** LED will be illuminated, on current flowing in excess of the adjustable set point the **status** LED will be illuminated denoting the Normally Open output is closed. On current falling below the set point less a nominal 2% hysteresis the output will open and the **status** LED will extinguish and the **power** LED will illuminate, if the current has fallen to zero both the **power** and **status** LED's will extinguish.

The **FOX.CS-xxx** current switch is self powered yet benefits from a volt free output Normally Open switch. The maximum switching capability is 30VAC/DC 0.5 Amps.

It is also possible for low current sensing, to pass the conductor to be measured multiple times through the CT (referred to as turns). For example; 2 turns will give a sensing range of 0.1-1 Amp or 1-100 Amps, 4 turns a sensing range 0.05-5 Amps or 0.5-50 Amps.

SPECIFICATIONS

Measuring

Sensing range: 0.2-20 Amps / 2-200 Amps
 Hysteresis: <2% fixed
 Power LED: Yes, 0.2 Amps / 1 Amp & above

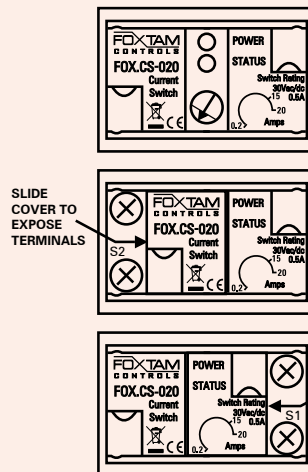
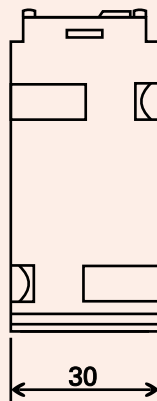
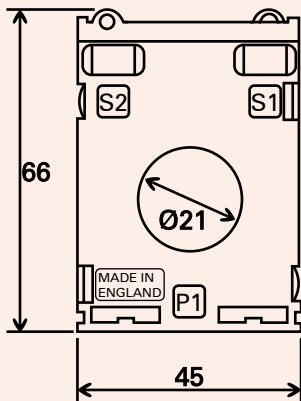
Output

Max switching voltage: 30V AC/DC
 Max switching current: 0.5 Amps
 Output type: Bi-directional solid state N/O
 Status LED: Yes, current above set point

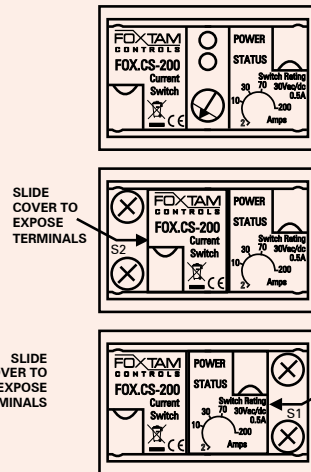
General

Rated system voltage: Max 720V continuous
 Insulation: Max 3KV for 1min
 Frequency range: 50-60Hz
 Ambient temperature range: -30°C to +85°C
 CE marked: Yes
 Compliance: IEC185, BS7626, BSEN 60044-1
 IEC 60044-1
 RoHS compliant: Yes

DIMENSIONS & CONNECTIONS



FOX.CS-020



FOX.CS-200