

ESOL.. ESLT..

- These devices are powered by induction from the monitored AC conductor which passes through the hole/core. A 0-10vdc or 4-20mA output signal linear across the range is produced. They sense the current flow and can thereby monitor the operation/failure of fans, pumps, motors etc.



Enclosure Flammability: UL94-V0
Response Time: 500ms
Operating Temperature: -15 to 50°C
Operating Humidity: 0 to 95% non cond.
Can be DIN rail mounted

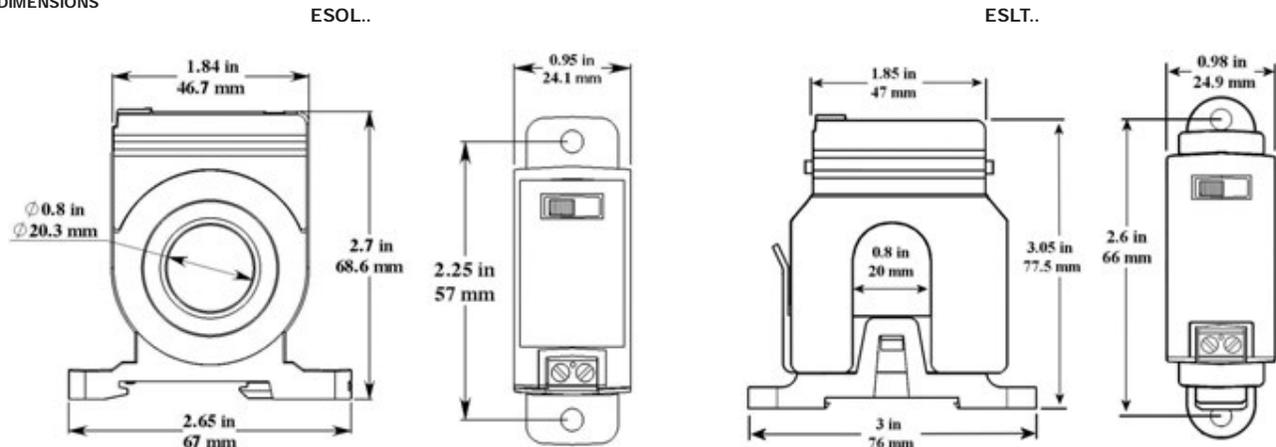
Type	Description	Output	Powered by	Accuracy	Frequency	Input range (selectable)	Max overload current
ESOL-651-R1	Solid core	0-10VDC	self powered	+/-2%FS	50/60Hz	0-10A,20A,50A	100A
ESOL-651-200	Solid core	0-10VDC	self powered	+/-2%FS	50/60Hz	0-200 (fixed range)	225A
ESOL-675-R1	Solid core	4-20mA	24VDC loop	+/-2%FS	20/400Hz	0-10A,20A,50A	3 x Range
ESOL-675-R2	Solid core	4-20mA	24VDC loop	+/-2%FS	20/400Hz	0-50A,100A,150A	2 x Range
ESLT-651-R1	Split core	0-10VDC	self powered	+/-2%FS	50/60Hz	0-20A,40A,60A	100A
ESLT-651-R2	Split core	0-10VDC	self powered	+/-2%FS	50/60Hz	0-50A,100A,150A	150A
ESLT-675-R1	Split core	4-20mA	24VDC loop	+/-2%FS	20/400Hz	0-10A,20A or 50A	3 x Range
ESLT-675-R2	Split core	4-20mA	24VDC loop	+/-2%FS	20/400Hz	0-50A,100A,150A	2 x Range

Select the range according to the conductor current.

If the conductor current is too low ie. 0.5A then loop through the sensor more than once ie. 3 loops = 1.5A and will divide the maximum range by 3.

If the conductor wire is too large, or the current too high it can be wired to the primary side of a current transformer, the secondary side wire is then passed through the sensor core. Do NOT exceed the voltage or current ratings as this will cause damage to the device.

DIMENSIONS



WIRING:

Set the switch to the required range

INSTALLATION:

Ensure the core is clean at the time of installation as dirt/foreign particles may prevent correct operation.

Ensure link/jumper is in the correct position before switching the power on. Pass the live conductor/wire through the core.

OUTPUT 0-10VDC : If the range is 0-10 amps the output will be 0-10vdc linear over 0-10 amps.

OUTPUT 4-20mA: If the range is 0-10 amps the output will be 4-20mA linear over 0-10 amps.

Min cable size 7/0.2mm

Max cable length 100m.

Keep away from power cables/units which may cause interference.

Screened cable is highly recommended.

The screen should be earthed at controller end only.