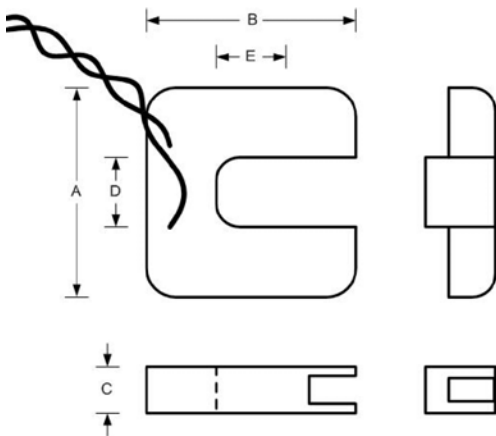
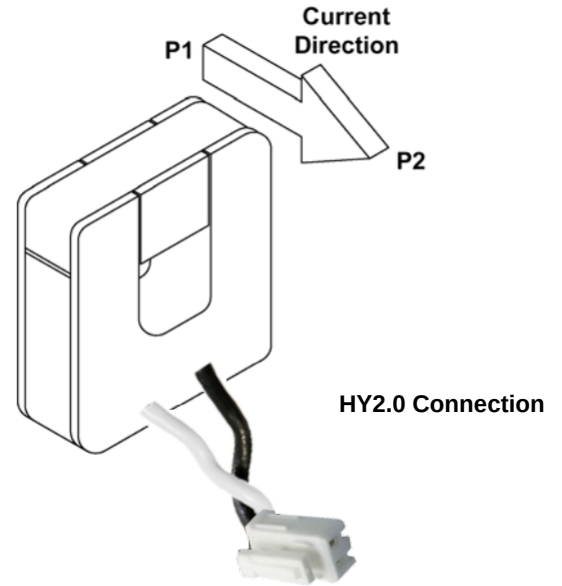


Installation

- Isolate power in the primary conductors.
- Obtain the relevant schematic from the meter Installation and Operating Manual.
- Insert a finger through the hole and pull the split section to remove it from the CT. Keep the split section and main body of the CT together as a pair.
- Place the CT over the correct isolated primary conductor (see schematic). Note the secondary wires should be closest to the load (labelled P2 on the meter schematic).
- Replace the split section and push until it clicks firmly into place. The split section is polarised and will only fit the correct way round on the CT.
- Connection to the meter via HY2.0 and CRJ-31 RJ Combiner as shown. Suitable for Eastron, Rishabh meters with CRJ-31
- Check all wiring before re-energising the load.



Dimensions (mm ± 0.5mm)

Model	A	B	C	D	E
FESCT19HY- xxxx	51	53	17	19	19
FESCT32HY- xxxx	82.5	85	27	32	32
FESCT51HY- xxxx	121	127	32	51	51

CRJ-31 HY2.0 to RJ12 Combiner



Cable Length

FESCTHY split current sensors are supplied with a captive output cable. If necessary, this can be extended but care must be taken to avoid pickup of electrical interference. Maximum recommended total cable length is 10m. The only critical cable specification is the insulation, which must be sufficient for the installation.

Brief Specification

Electrical	
Nominal Input Current I_n	
FESCT19HY	5 Amp — 150 Amp
FESCT32HY	70 Amp — 600 Amp
FESCT51HY	600 Amp – 1500 Amp
Maximum Input Current I_{max}	
FESCT19HY	200 Amp
FESCT32HY	800 Amp
FESCT51HY	2000 Amp
Output at I_n	100mA, or 100mV
Frequency Range	50-60 Hz
Accuracy ($0.1I_n$ — $1.3I_n$)	± 1%
Phase Error	< 2° at $0.5I_n$

Mechanical	
Enclosure	ABS to UL94V-0
Construction	Epoxy encapsulated
Insulation Voltage	600 V_{rms}
Environment	Indoor use only, altitude < 2000m
Operating Temp	-15°C to +60 °C
Humidity	Max 80% RH at 30°C Non-condensing
Output Connection	1m twisted pair cable, 0.34mm ² , UL 1015