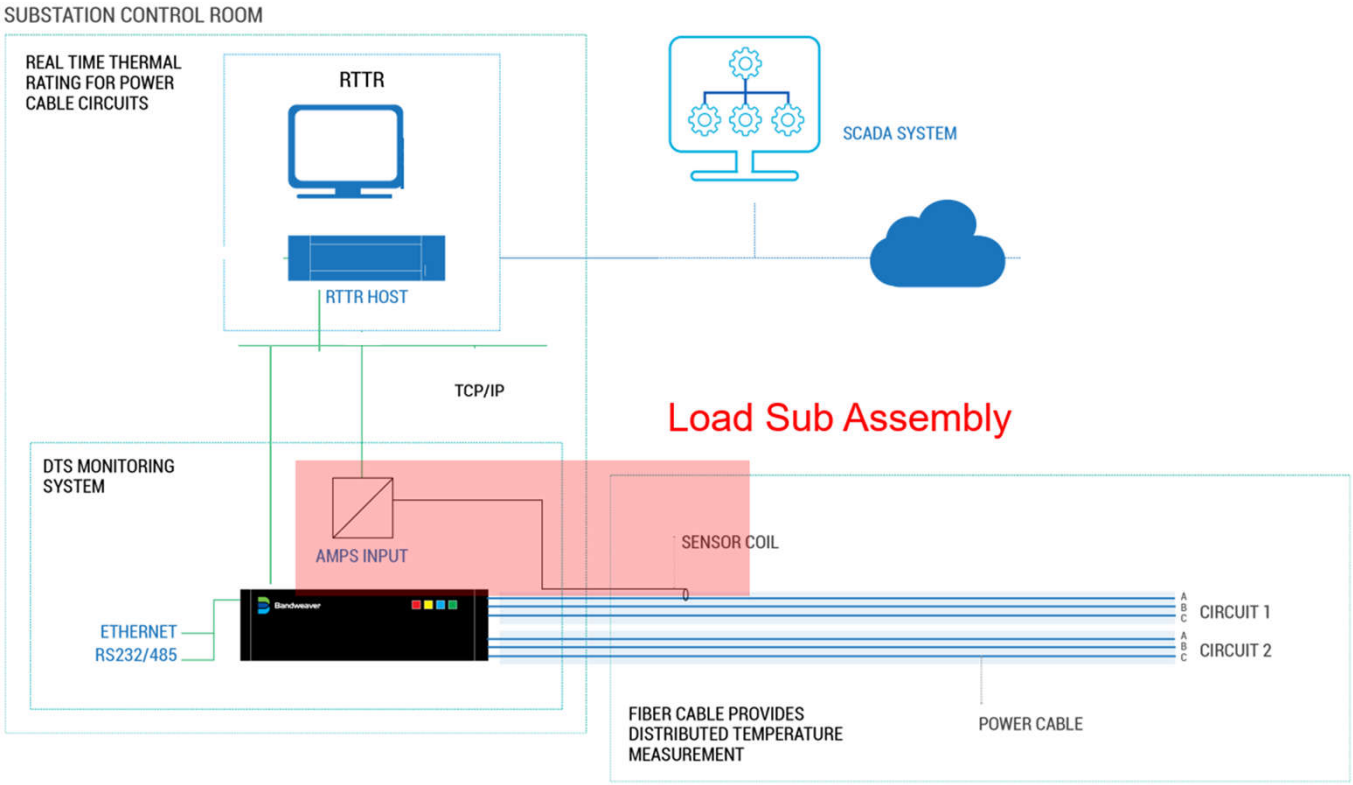
Bandweaver

DATASHEET

Real Time Thermal Rating (RTTR)
Load Sub Assembly

One of the key inputs to the Bandweaver Real Time Thermal Rating (RTTR) system is the load/current for the power cable that is being monitored. One of the options to input the current to Bandweaver RTTR system is to use the Load Sub Assembly.

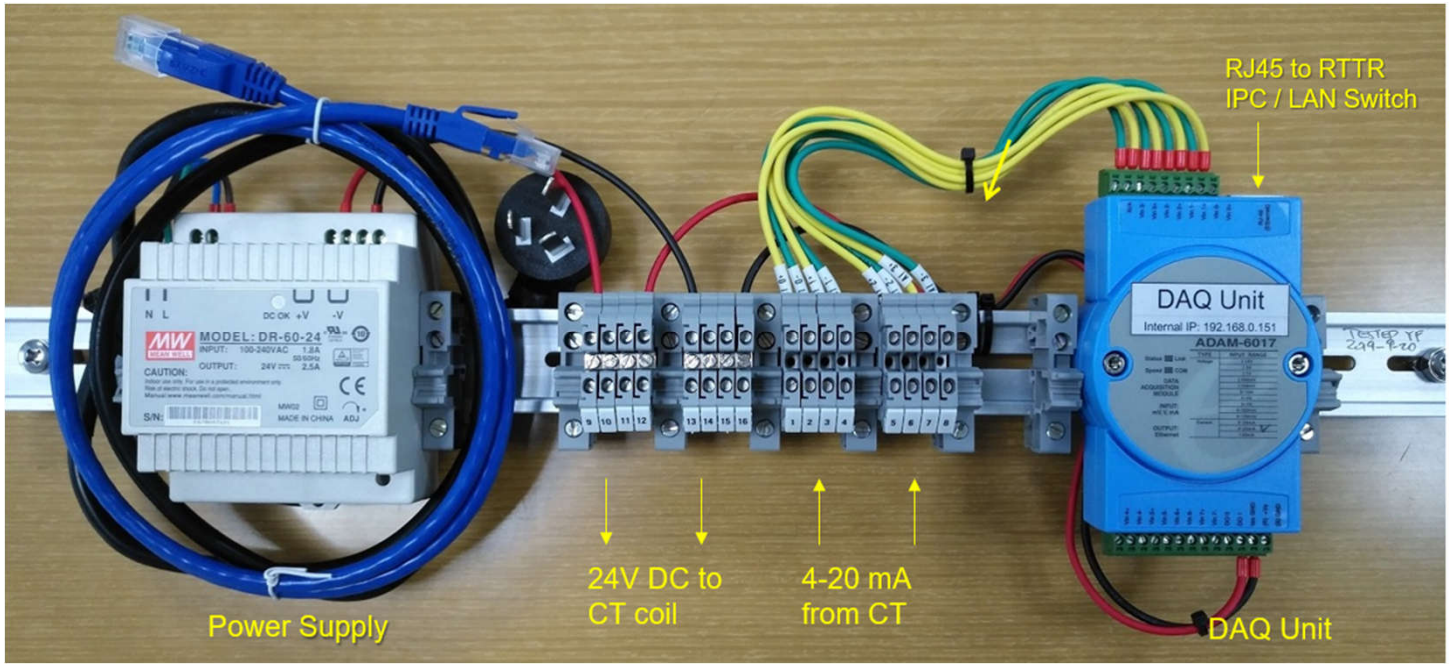
The Load Sub Assembly is a convenient DIN rail mounted assembly consisting of the necessary Current Transducer (CT) sensing coils and associated data acquisition module



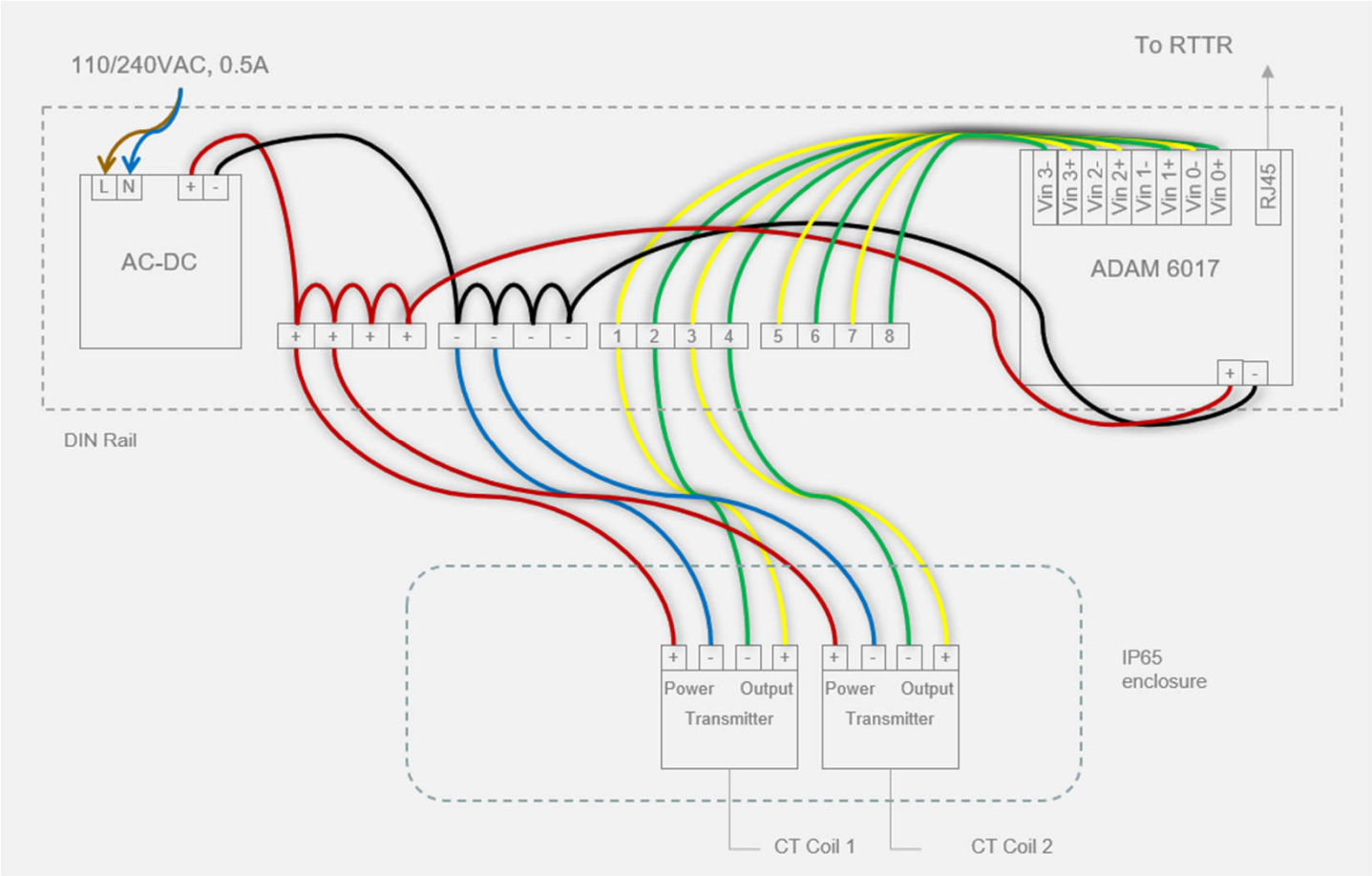
Features

- Easy to install, non-intrusive to power cable
- DIN rail mounted for minimum footprint in control room
- Standard industrial proven components
- Versatile solution for providing load input in a wide range of scenarios

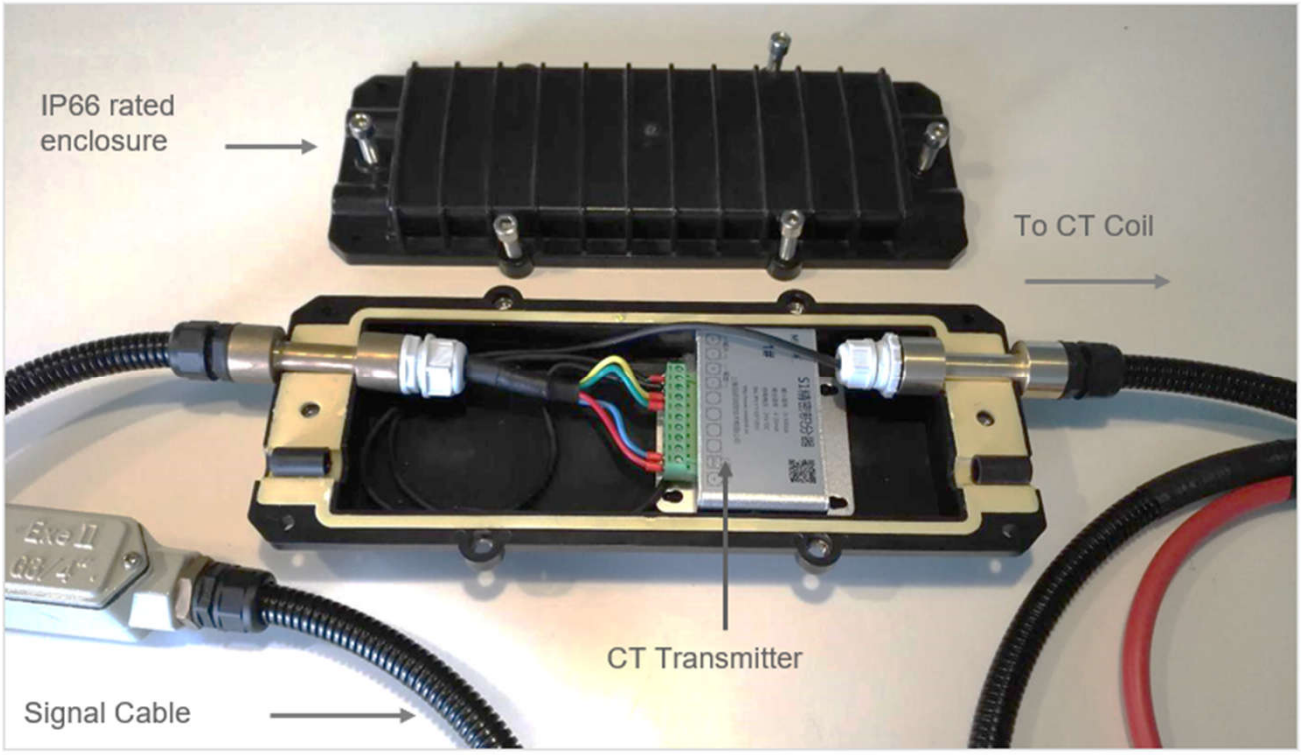
DIN Rail Components



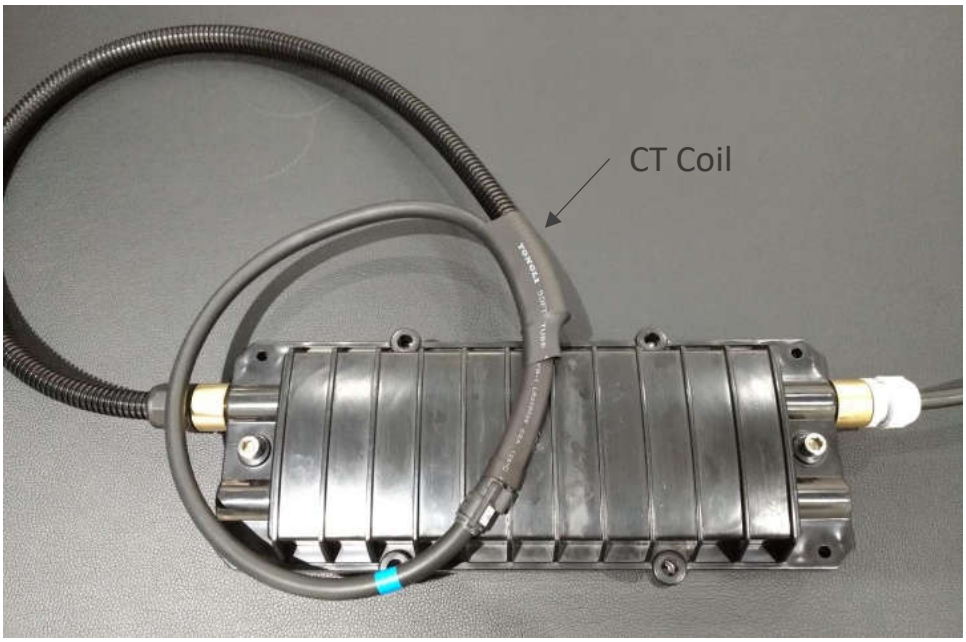
Wiring Diagram



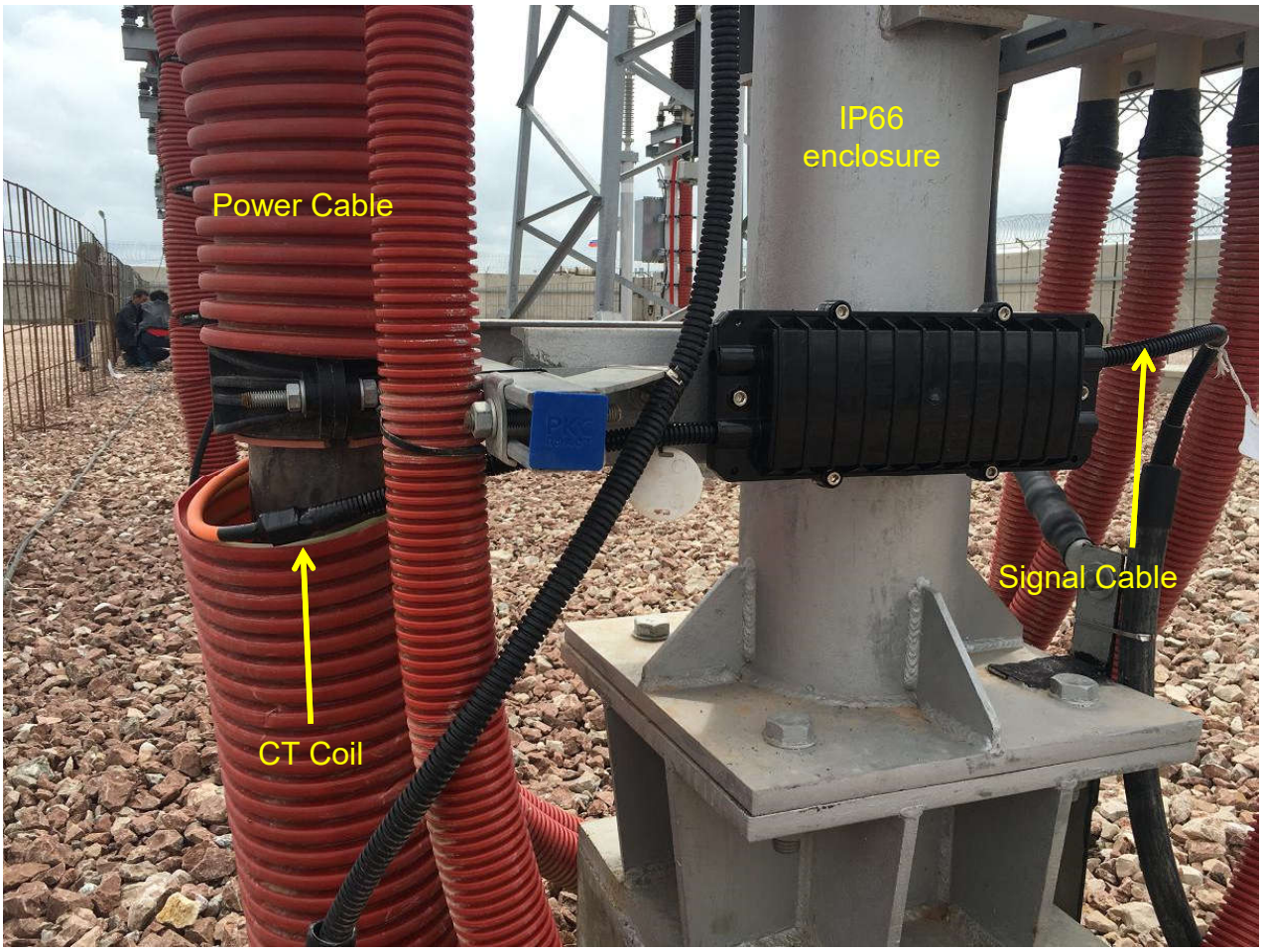
Current Transducer Coil



- Range 5000A (Error 0.5% FS)
- Inner Diameter 220mm +/-10%
- Max length 200m from cable



Field Installation Example



Specifications

ELECTRICAL & COMMS	
LAN	10/100 Base-T
Power Input	100-240 V AC 47-63Hz
Rated Current / Power	2.5A / 60W
ENVIRONMENTAL PROPERTIES	
Operating Temperature	-20 °C to 60 °C
Storage Temperature	-40 °C to 85 °C
Humidity	Operating 20 – 90% Storage 0-95% (RH Non-condensing)
OTHER	
Standards	Power Supply: UL60950-1, TUV EN60950-1 approved, Design refer to EN50178 Compliance to EN55011, EN55032 (CISPR32) Class B, EN61000-3-2,-3 Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024, EN61000-6-2, EN61204-3, criteria A DAQ Unit: FCC, CE