



ELITEpro SP Weathertight Enclosure INSTALLATION INSTRUCTIONS

The ELITEpro SP weathertight enclosure is designed so that a standard ESP can be retro-fitted into a weathertight enclosure and can utilize DENT's range of unterminated current transformers.

The enclosure is listed to UL 50 and UL 508 and achieved ingress ratings of IP 67 and NEMA 4X, 6 and 6P. The strain relief and panel mount connectors are IP68 rated and the banana jacks are IEC 61010-031 1KV CAT III rated.



Photo 1



Photo 2

1. Place the internal voltage leads into the corresponding jack in the ESP and connect the internal USB and wall transformer cables into the corresponding connectors. (See Photo 1 & 2)



Photo 3

2. The enclosure is supplied with two different strain reliefs. The 4xØ0.10" hole version can be used with all split core CT's and the 2xØ0.20" hole version can be used with RoCoil CTs. (See Photo 3)



Photo 4



Photo 5

a. To install RoCoil CTs: Place the lead wires through the Ø0.20" holes and connect to the ESP using the CT connectors, connecting the shield wires to position 9 on the CT connectors. (See Photos 4 & 5)

b. **To install split core CTs:** Place the lead wires through the $\varnothing 0.10''$ holes and connect to the ESP using the CT connectors.
(See Photos 6 & 7)



Photo 6



Photo 7

3. Connect the external voltage leads to the corresponding 4mm jacks and the USB and wall transformer cables when required for use. (See Photos 5 & 6)

4. The ESP will be held in position to the panel by the magnets, but a fastener should be used to hold the ESP to the panel if left unattended, using the lug on the end panel to secure.

5. Secure the lid onto the enclosure using the locking screws and refer to the ELITEpro SP Quick Start Guide for correct operation of the ELITEpro SP. (See Photo 8)



Photo 8