

Installation instructions



Dorman Smith Loadbank 125 Metering harnesses



KITS:

Meter/CT harnesses



PBWP (Voltage tap off - 1 per meter)



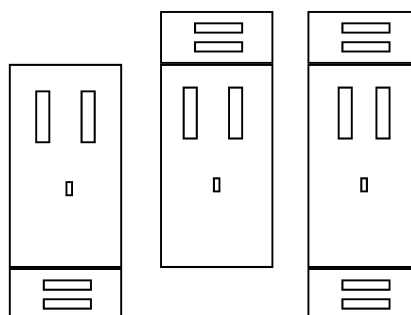
PBWI (Incomer - 1 per meter)



PBWCT (Current transformer - 1 per meter)



PBWM6 (Up to 6 meters)



Installation instructions



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Power tap-off: PBWP

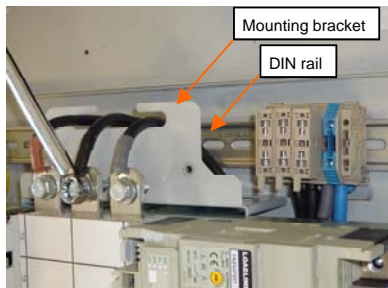


Fig 1:

- Route PBWP cables through mounting bracket.
- Mount fuse holders to DIN rail.
- Secure PBWP connectors to busbar stems.

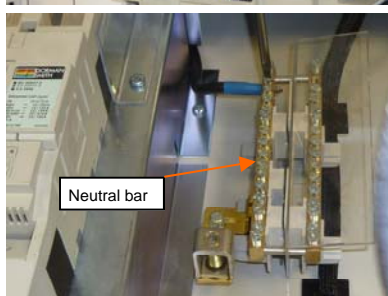


Fig 3:

- Fit neutral cable to neutral bar

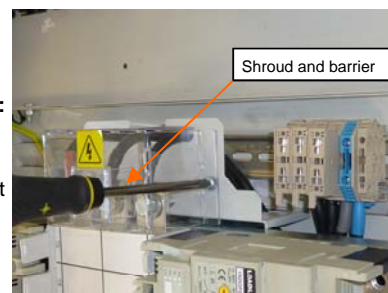


Fig 2:

- Form and fit shroud and barrier, ensuring shroud tag engages with cable slot on mounting bracket.

Incoming Wiring: PBWI



Fig 4:

- Connect PBWI cable to fuse holders supplied with PBWP.
- Route PBWI cables behind MCCB mounting plate to incomer meter, below the

Fig 5:

- Connect PBWI cable to meter.
- For Tegra meters use loose brown and blue cables supplied, to loop into terminals 1 & 2 see fig 5a
- For DRK analogue display

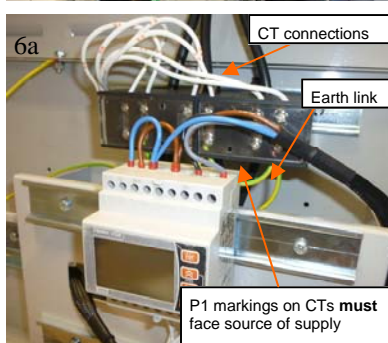
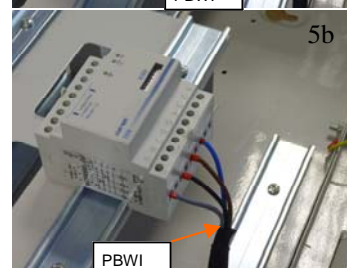
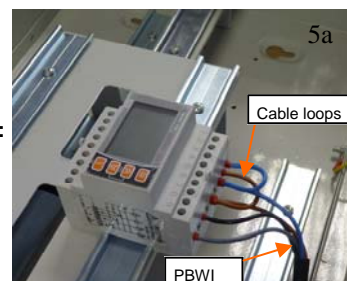
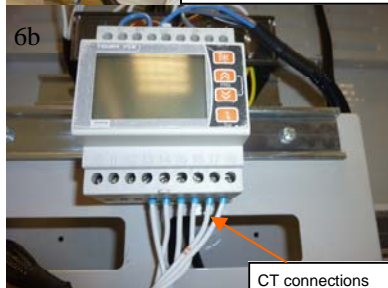
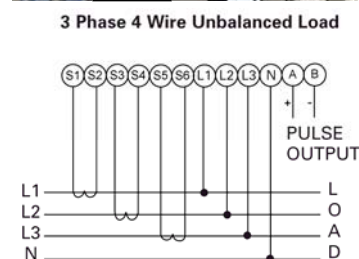


Fig 6:

- Mount CT to DIN rail with DIN clips
- Connect CT cables from CT to meter as per wiring instructions
- Earth CT with earth link to panelboard.
- Route incoming cables through the CT



Refer to installation instruction sheet supplied with meter for set up



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Meter /CT Wiring: PBWM6/PBWCT



Fig 7:

- Remove meter mounting plate from PBWA2MB

P1 markings on CTs **must** face source of supply

Fig 8:

- Mount CT's on DIN rails with DIN clips where appropriate.
- Connect CT harness PBWCT to each CT
- Earth CT's with earth links to panelboard
- Replace meter mounting plate

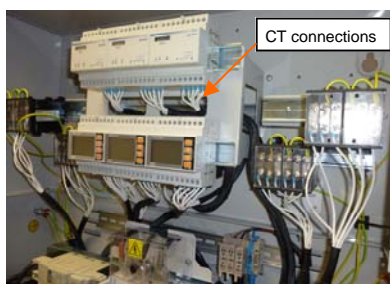
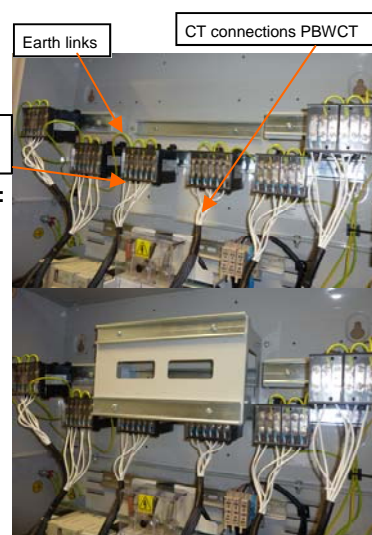


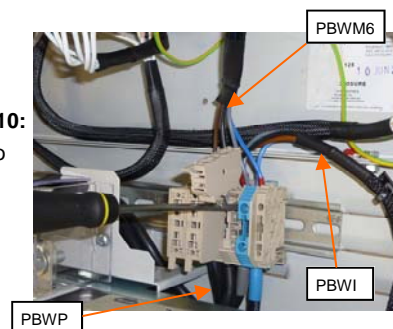
Fig 9:

- Mount meters on DIN rails .
- Connect CT cables to appropriate meter.

Refer to installation instruction sheet supplied with meter for set up

Fig 10:

- Connect PBWM6 cable to fuseholder supplied with PBWP



Installation instructions

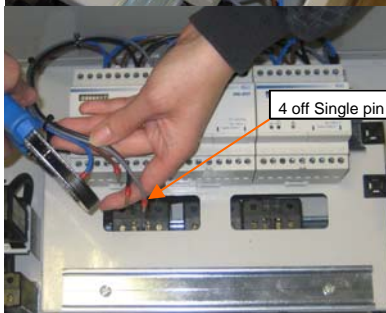


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Fig 11:

- Using PBWM6 link to meters as appropriate.
- If less than 6 meters, fit single pin connectors supplied, to final link.



4 off Single pin connectors supplied with PBWM6

**Refer to installation instruction sheet
supplied with meter for set up**



Fig 13:

- Route outgoing main cables through CT's ensuring outgoing circuits are identified.

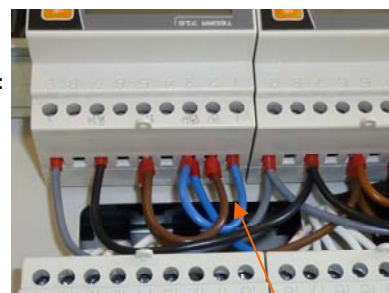


Fig 12:

- For Tegra meters use loose brown and blue cables supplied to loop into terminals 1 & 2

Cable loops

Note: Single Phase Metering

- Cable, if appropriate to all three phase meters first, using PBWM6
- Cut black and grey cables at first single phase meter and insulate with terminal block supplied with PBWM6

**Refer to installation instruction sheet
supplied with meter for set up**

Fig 14:

- Fit identification labels to Panelboard front plates.



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