

Installation instructions



Dorman Smith Loadlimiter 63 Single Board meter solution



KITS:

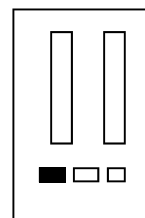
Meter/CT harnesses



Up to 12 way board **DBXWSB12**



16 to 24 way board **DBXWSB24**



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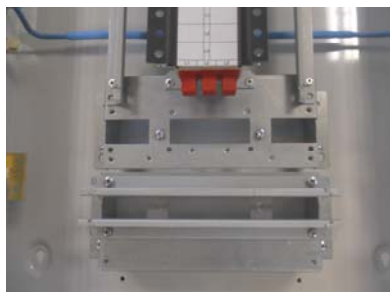


Fig 1:

- Remove front shield assembly.
- Fit mounting kit **DBXCKR**

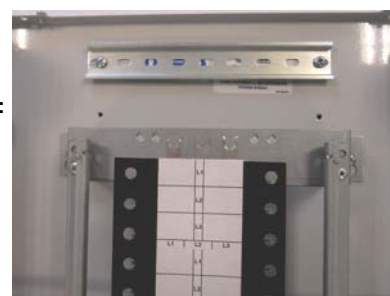


Fig 2:

- Mount DIN rail supplied with harness at top of board.

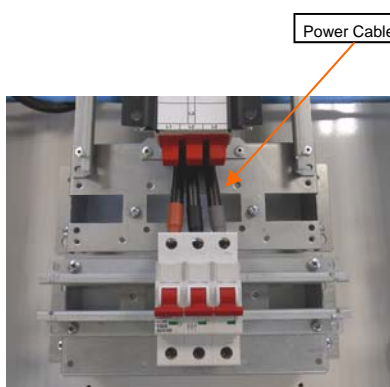


Fig 3:

- Mount Switch Disconnecter to **DBXCKR** DIN rail arrangement.
- Connect power cables to switch Disconnecter cable clamps.
- Route cables up the board behind the busbar.

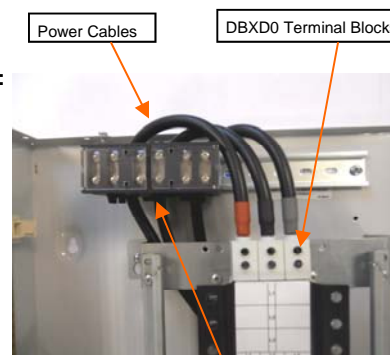


Fig 4:

- Remove top end plate.
- Fit DIN mounting clips to 3in1 CT
- Mount CT on DIN rail
- Secure terminals **DBXD0** to busbar top stems
- Run power cables through CT and connect to busbar through terminals **DBXD0**

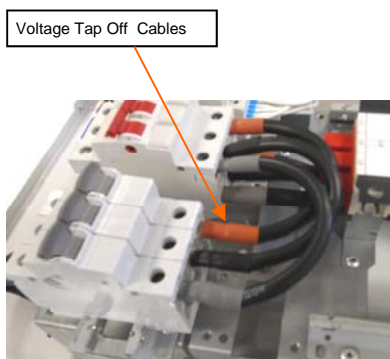


Fig 5:

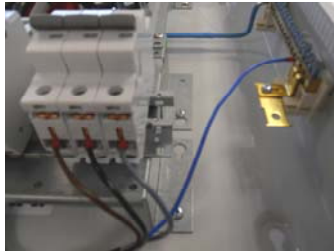
- Mount 3 pole MCB **K3PC01** to DIN rail arrangement.
- Connect Voltage 'tap off' cables from Switch Disconnecter top terminals to MCB top terminals, ensure main power cables remain connected to Switch Disconnecter.

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Fig 6a:



Refer to installation instruction sheet
supplied with meter for set up

CT harness

Meter power supply harness

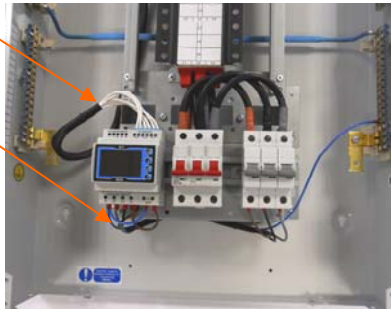


Fig 6b:



Fig 6:

- Mount Ri3 meter to DIN rail arrangement.
- Connect meter power supply harness from MCB bottom terminals to meter, see figs 6a & 6b
- Connect CT harness (white numbered cables) to meter see fig 6c

Fig 6c:



Pulsed output connections (optional)

CT earth connector

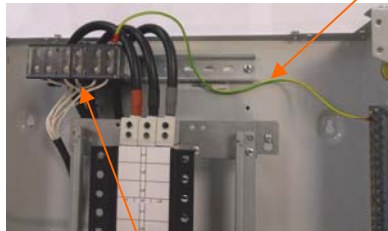


Fig 7:

- Connect CT harness to 3in1 CT using fork terminals, ensure numbered cables correspond with meter ID
- Connect earth cable to S2 terminal on 3in1 CT then connect to DB earth bar.

Numbered cables to correspond with meter ID

3 Phase 4 Wire Unbalanced Load

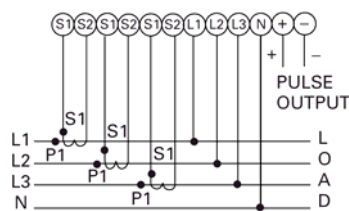
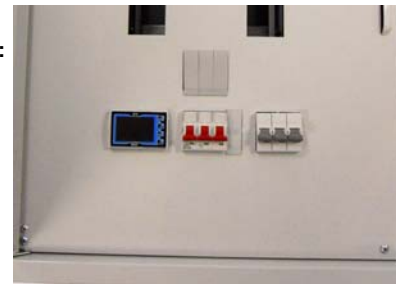


Fig 8:

- Remove 'Knock-out' features on the front shield.
- Use blank pieces supplied in DBXCKR to blank off all apertures.
- Replace all panels.



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