DÉLESTAGE AUTOMATIQUE À L'AIDE DE PM130EH PLUS

- Délestage automatique des pointes (délestage de charge) à l'aide du SATEC PM130EH PLUS
- Délestage en fonction de la demande maximale (MD) ou de l'heure
- Economiser les pénalités et les coûts énergétiques élevés
- Affichage de plus de 120 paramètres électriques
- Synchronisation horairesynchronization

Connect PM130EH PLUS for Load Control

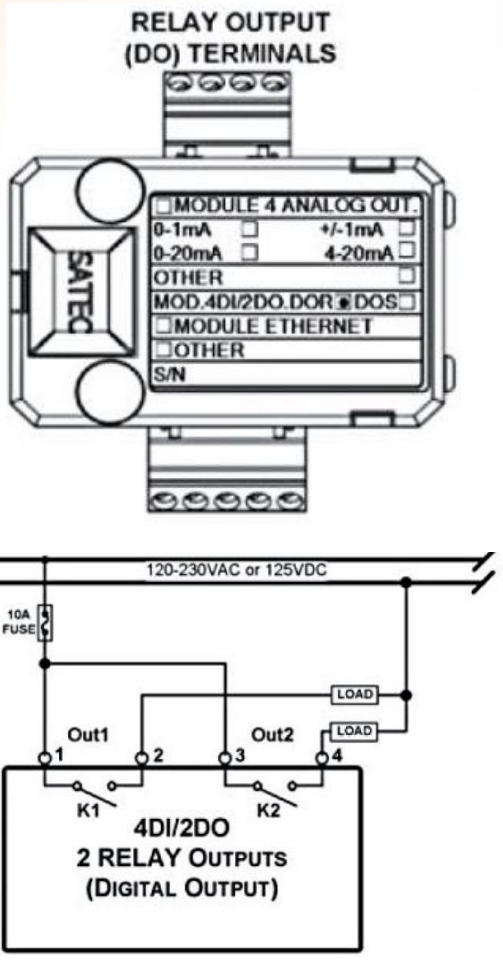

Figure 1: Relay control outputs for 4DI+2RO module

SATEC PM130EH PLUS
with plug-in load control module (4DI+2RO)

1. Connect the 4DI+2RO module to side of PM130EH PLUS
2. Make connections to the I/O module as shown in figure 1
3. Ensure that load does not exceed the output relay contact ratings
4. Use external load control relays if load exceeds the relay contact rating

Relay contact rating: 5A/250 VAC; 5A/30 VDC, 1 contact (SPST Form A)
Galvanic isolation: Between contacts and coil: 3000 VAC 1 min Between open contacts: 750V AC
Relay Operate time: 10 ms max.
Relay Release time: 5 ms max.

Configure PM130EH PLUS for MD Control

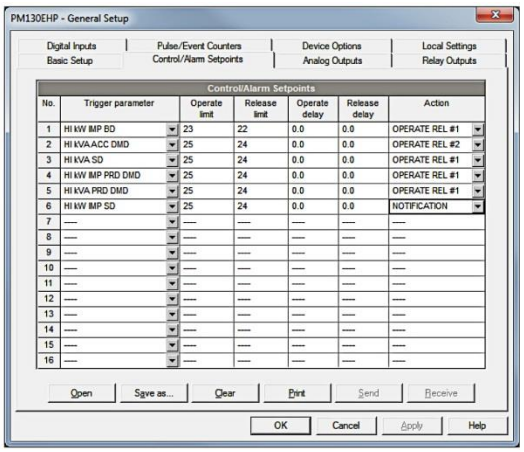

Figure 2: Configure PM130EH PLUS for MD control

PM130EH PLUS is supplied with PAS software which can be used for configuration of the meter. Meter can also be configured using its front panel keys.

The PM130EH PLUS can be configured for following types of demand control:

- Block demand
- Sliding Block demand
- Accumulated demand
- Predicted demand

Required operate and release demand limits can be configured under “Control/Alarm Set points” using PAS software as shown in figure 2.

Multiple levels of load shedding can be configured using the two output relays.

Notification for load shedding can also be generated ia set points. Notification of load shedding shall be provided via flashing LED on the meter front panel and also on SCADA MMI screen via MODBUS notification register.

Configure PM130EH PLUS for Time Based Load Shedding

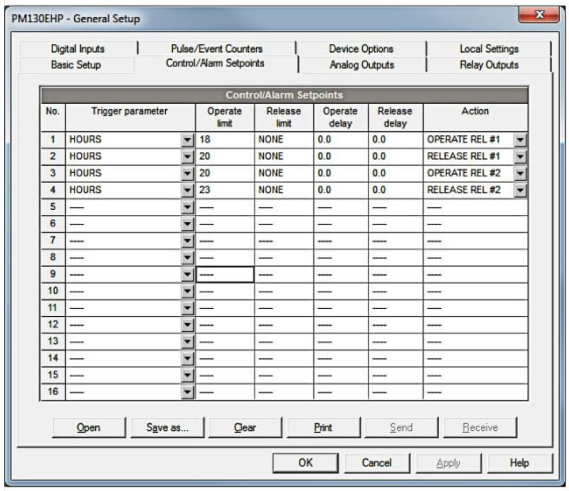

Figure 2:
Configure PM130EH PLUS for time based load shedding

Configuration screen for time based load shedding is shown in figure 2. Two output relays can be used for controlling two sets of loads.

Set load shedding time to operate the relay. Relay operation can be used to shed the load.

Similarly load shedding over time can be set to release the relay. This can be used to put on the load.

Multiple load shedding schedules can be configured using this Control/Alarm set point screen.

Meter RTC should be synchronized via MODBUS communication RS485 port or (DI using minutes pulse).

The scheme can result in significant saving in cost of electrical energy usage.

Add-On Modules Available with SATEC PM130EH PLUS (optional)

- 12DI4+DO
- Four Analog Outputs (4-20mA)
- TOU
- RS-232/RS-485 Communication Port
- Ethernet Communication Port
- Profibus Communication Port
- GPRS Modem
- RF (in certain regions only)

Communication Protocols Available with SATEC PM130EH PLUS (optional)

- MODBUS RTU over serial
- MODBUS ASCII over serial
- MODBUS RTU over TCP/IP
- MODBUS ASCII over TCP/IP
- Profibus DP
- DNP3.0 over serial
- DNP3.0 over TCP/IP
- IEC-60870-101
- IEC-60870-10