INSTALLATION INSTRUCTIONS

⚠ CAUTION

1. This equipment being built-in-type normally becomes a part of the main control panel and the terminals do not remain accessible to the user after installation.
2. Conductors must not be connected with the internal circuitry of the equipment as it may lead to a safety hazard and may endanger life or cause electric shock to the operator.
3. Circuit breaker or mains switch must be installed between the power source and supply terminals to facilitate power ON / OFF function.
4. The equipment should be installed in environmental conditions other than those specified in this manual.
5. Since this equipment forms part of the main control panel, its output terminals get connected to the host equipment. Such equipment should also comply with EMI/EMC and safety requirements like CE standard procedure.
7. Thermal dissipation of equipment is mainly through ventilation holes provided on housing of equipment. Obstruction of these ventilation holes may lead to a safety hazard.
8. The output terminals shall be loaded as per the electrical specifications and the values / range specified by the manufacturer.

ELECTRICAL PRECAUTIONS DURING USE

Electromagnetic relays generated by switching of inductive loads can create momentary disruptions in the display, latch up, data loss or permanent damage to the instrument.

To reduce noise :

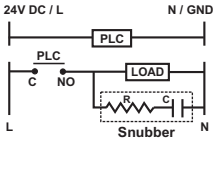
Use of Selec make Snubber across load is recommended.

Snubber Part no. : SNUBBER

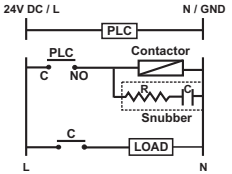
NOTE : Below mentioned ideal arrangement is applicable for

Typical Connections For Loads :

For load current < 0.5A



For bigger loads use interposing relay / contactor

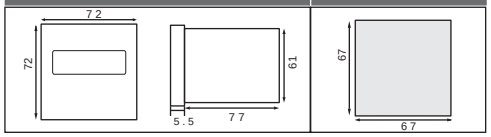


NOTE : Use snubber as shown above to increase life of internal relay.

B) Use separate field devices for inputs.

MECHANICAL INSTALLATION

Outline Dimensions (in mm)	Panel Cutout (in mm)



For installing the controller

1. Prepare the panel cutout with proper dimensions as shown above.
2. Fix the unit into the cutout. Insert the clamp from both sides and tighten the screws.

⚠ CAUTION

The equipment in its installed state must not come in proximity to any heating sources, caustic vapors, oils, steam or other unwanted process by products.

EMC Guidelines :

1. Use proper input power cables with shortest connections as twisted pair type.
2. Layout of connecting cables should be away from any interfering EMI source.

MAINTENANCE :

1. To avoid blockage of ventilation holes, clean the equipment using regular use of dry cloth.
2. Do not use isopropyl alcohol or any other organic

WIRING INSTRUCTIONS

⚠ CAUTION

1. To prevent risk of electric shock, power supply to the equipment must be kept OFF while wiring.
2. Terminals of electrical cable / large parts must not be touched when the power is ON.
3. Wiring should be done as per electrical cord to the terminal layout provided in the operating manual.
4. To eliminate electromagnetic interference, use short wires and twist them with adequate twisting as twist per inch.
5. The power supply connection cable must have across

FUNCTIONAL DETAILS

UNIX-1-230V is a PLC with built in HMI. The user can configure the product using SELPRO software.

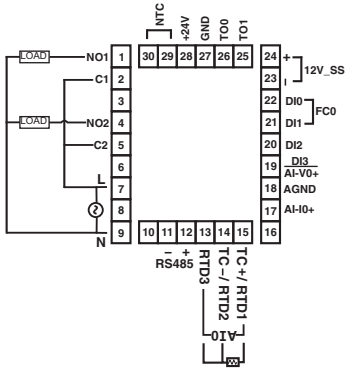
SELPRO has two sections :

1. Ladder logic programming section
2. Selec Machine Interface, used for configuration of HMI.

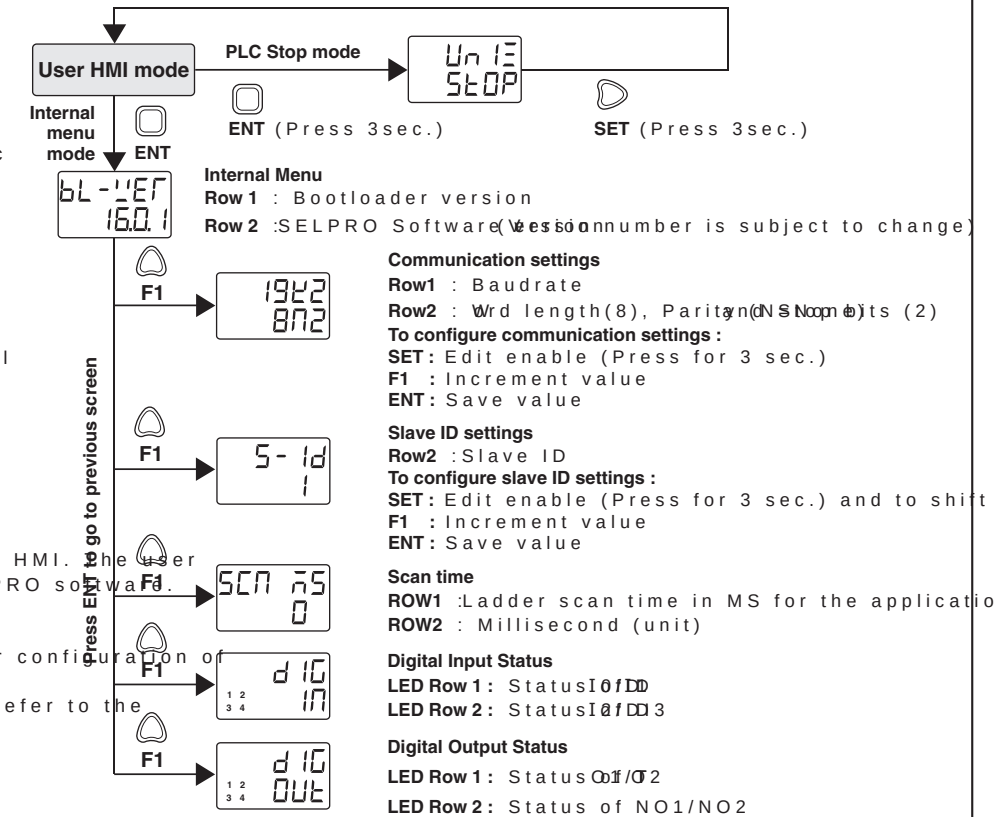
For details of the software, please refer to the

WIRING DIAGRAM

UNIX-1-230V



MENU DESCRIPTION



ACCESSORIES (To be ordered separately)

ORDER CODE	DESCRIPTION
AC-USB-RS485-02	USB to RS485 cable (2 pin open wire)

? SERVICE DETAILS

This device contains no user serviceable part requires special equipment and specialized e forrepair

Please contact service center for repair on th number

Tel. No. : + 91-7498077172

Email : service@selec.com

(Specifications are subject to change, since develo continuous process.)

Selec Controls Pvt. Ltd., India

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