

Table 3


Environmental Requirements	
Operating Temperature Range	-40°C to 50°C (-40°F to 122°F)
Storage Temperature Range	-50°C to 70°C (-58°F to 158°F)
Elevation	Above 2000 Meters (6600 feet) consult factory
Humidity	Functional to 95% non-condensing
Operating Orientation	Any
Pollution Degree IEC 947-1	3
Shock Resistance	15g in any direction
Vibration Resistance	3g in any direction

Mounting Instructions for Models S801N and S801R

The IT Soft Starter is easy to mount. It does not require any special tools.

To aid you with panel layout, refer to the dimension drawings on page 2 of this leaflet. Drill and tap holes per mounting hole location as shown.

To mount the unit, use all the hardware specified in Table 1 on page 2 of this leaflet. Tighten to the torque specified.

! WARNING	TO AVOID SHOCK HAZARD, DISCONNECT ALL POWER BEFORE ANY FUNCTIONS ARE PERFORMED ON THIS EQUIPMENT.
! AVERTISSEMENT	
	POUR EVITER TOUT CHOC ELECTRIQUE, COUPLER L'ALIMENTATION DE CET EQUIPEMENT AVANT D'Y EFFECTUER DES TRAVAUX.
Hazard of Burn or Electrical Shock	
Risque de Brulure ou de Choc Electrique	

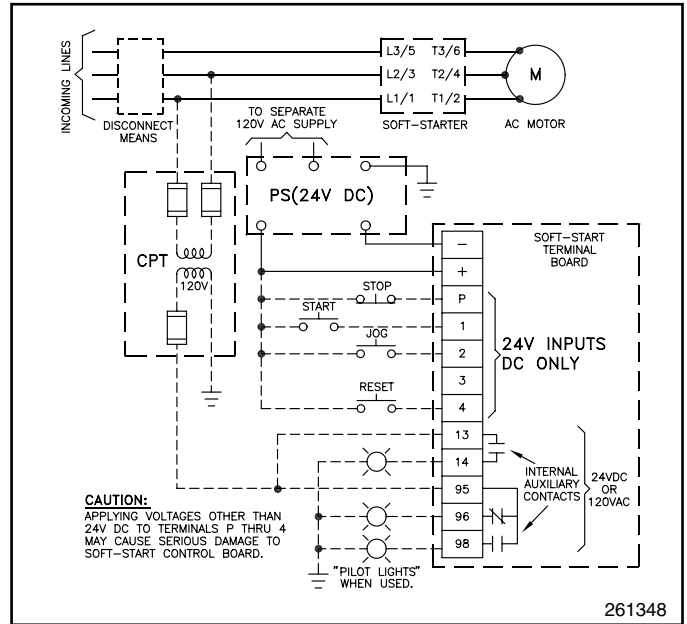


Fig. 3 Elementary Diagram for Soft Starter with START/STOP/RESET/JOG with 120VAC Alarm and Run Indication

Wiring Diagrams

Each diagram illustrates a typical wiring scheme for the options described. The soft starter is represented by the terminal board. The additional items shown on the diagrams are not included, but they may be purchased from Cutler-Hammer.

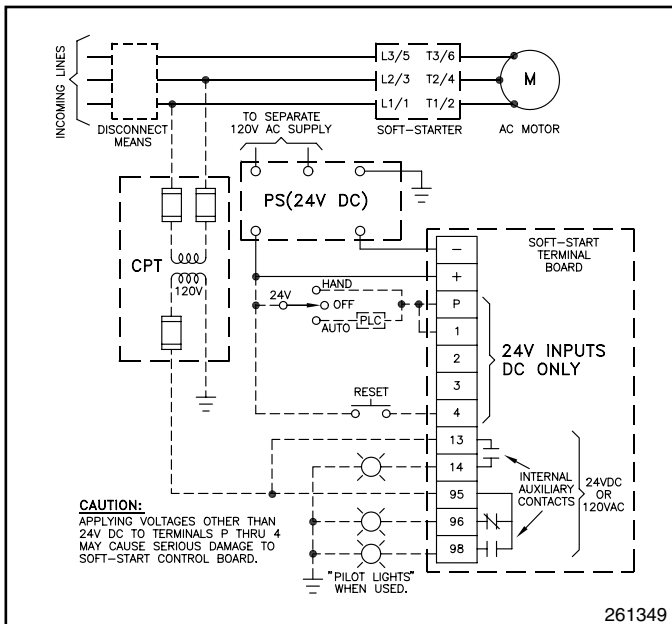


Fig. 4 Elementary Diagram for Soft Starter with HAND/OFF/AUTO/RESET with PLC with 120VAC Alarm and Run Indication

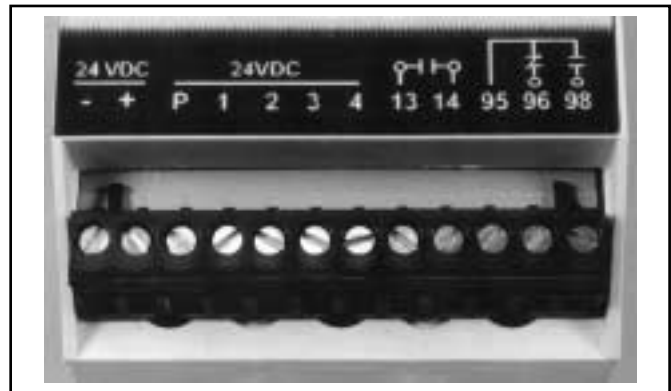


Fig. 5 Terminal Board

Power Wiring

Control Wiring Inputs

The controller on the IT Soft Starter has the inputs shown in Table 4 on Page 5 of this leaflet.

CAUTION

APPLY ONLY 24VDC TO CONTROL TERMINAL BOARD UNLESS SPECIFIED OTHERWISE IN THIS MANUAL. ALL CONTROL WIRING IS 22 - 12 AWG. FAILURE TO FOLLOW THIS CAUTION COULD RESULT IN SEVERE DAMAGE TO THE CONTROLLER.

ATTENTION

APPLIQUER UNE TENSION DE 24V C.C. AUX BORNES SAUF AVIS CONTRAIRE DANS CE MANUEL. TOUTE LA FILIERE DE COMMANDE EST DE CALIBRE 22 A 12 AWG. L'INOBSERVATION DE CETTE MESURE POURRAIT CAUSER DES DOMMAGES IMPORTANTS AU CONTROLEUR.

CAUTION

THERE CAN BE LINE VOLTAGE POTENTIAL AT THE MOTOR LOAD TERMINALS EVEN WITH THE STARTER IN THE OFF STATE. THIS IS DUE TO THE POSSIBLE LEAKAGE ACROSS SCRS. ALWAYS DISCONNECT INPUT POWER BEFORE SERVICING STARTER MOTOR.

ATTENTION

IL PEUT EXISTER UNE TENSION DE LIGNE AUX BORNES DU COTE CHARGE DU MOTEUR BIEN QUE LE MOTEUR SOIT ARRETE. CELAS'EXPLIQUE DU FAIT DE FUITES POSSIBLES A TRAVERS LES REDRESSEURS AU SILICIUM. TOUJOURS DEBRANCHER L'ALIMENTATION AVANT D'EFFECTUER DES TRAVAUX SUR LE DEMARREUR.