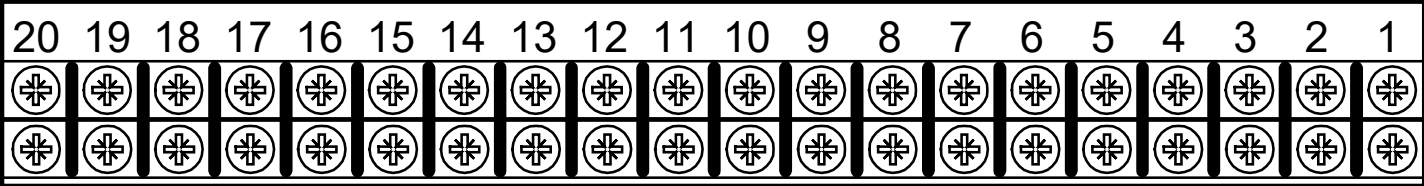


M-2900A Cabinet Interface Cable

Quick Start Guide

M-2900A Lexan Cabinet Terminal Block TB3



Cable	M-2900A Lexan Cabinet TB3																				Motor Cap	
	TB3-20	TB3-19	TB3-18	TB3-17	TB3-16	TB3-15	TB3-14	TB3-13	TB3-12	TB3-11	TB3-10	TB3-9	TB3-8	TB3-7	TB3-6	TB3-5	TB3-4	TB3-3	TB3-2	TB3-1	21	22
Cooper 12 Conductor BECO, B-1505 (With Capacitor Connection)	–	–	–	–	–	–	–	–	–	J1-B Ground (G)	–	J1-A Voltage Sense (VS)	J1-G Motor & Power (VM)	J1-C Load Current Return (C1)	J1-D Load Current Polarity (C3)	J1-E Holding Switch (HS)	J1-F Raise (R3)	J1-I Lower (L3)	J1-H Neutral Light (NL)	J1-J Drag Hand Reset (DHR)	J1-L	J1-N
Cooper 10 Conductor BECO, B-1504 (No Capacitor Connection)	–	–	–	–	–	–	–	–	–	J1-B Ground (G)	–	J1-A Voltage Sense (VS)	J1-G Motor & Power (VM)	J1-C Load Current Return (C1)	J1-D Load Current Polarity (C3)	J1-E Holding Switch (HS)	J1-F Raise (R3)	J1-I Lower (L3)	J1-H Neutral Light (NL)	J1-J Drag Hand Reset (DHR)	–	–
GE 14 Conductor BECO, B-1483 (With Shorting Pin)	–	–	P2-7 Voltage (NN21)	P2-8 Voltage (NN22)	P2-15 Not Used (NN32)	–	P2-9 Motor Common (NN26)	P2-10 Voltage Common (NN10)	P2-13 Load Common (NN10)	–	P2-12 Operation Counter (NN30)	P2-6 Power (NN20)	–	P2-4 Load Current Return (NN24)	P2-3 Load Current Polarity (23)	–	P2-11 Raise (NN27)	P2-5 Lower (NN28)	P2-2 Neutral Light (NN31)	P2-1 DHR (NN29)	–	–
GE 17 Conductor BECO, B-1482 (With Dual Molex)	–	–	J3-4 Voltage (NN21)	J3-5 Voltage (NN22)	J3-6 Not Used (NN32)	J3-7 Not Used (NN25)	J2-10 Motor Common (NN26)	J3-8 Voltage Common (NN10)	J3-9 Load Common (NN10)	–	J2-4 Operation Counter (NN30)	J3-3 Power (NN20)	–	J3-2 Load Current Return (NN24)	J3-1 Load Current Polarity (NN23)	–	J2-6 Raise (NN27)	J2-8 Lower (NN28)	J2-11 Neutral Light (NN31)	J2-5 DHR (NN29)	J2-9	J2-7
Howard BECO, B-1474 (With Ring Lugs)	–	–	–	–	–	–	–	–	–	Ground (G)	Operation Counter (OC)	Panel Power (PS)	Motor Power (MS)	Load Current Return (CO)	Load Current Polarity (C)	Do Not Connect	Raise (R)	Lower (L)	Neutral Switch (NS)	Drag Hand Reset (DHR)	C1 Motor Capacitor Connector	C2 Motor Capacitor Connector
Siemens BECO, B-1474 (With Ring Lugs)	–	–	–	–	–	–	–	–	–	Neutral (E)	Operation Counter (U10)	Voltage Sense (P2)	Motor Power (U2)	Load Current Return (E1)	Load Current Polarity (C2)	Do Not Connect	Raise (J)	Lower (K)	Neutral Light (U12)	Drag Hand Reset (U11)	C1 Motor Capacitor Connector	C2 Motor Capacitor Connector
Beckwith Electric Replacement for Cooper 12 Conductor, B-1474 (With Ring Lugs)	–	–	–	–	–	–	–	–	–	Ground (G)	Do Not Connect	Voltage Sense (VS)	Motor & Power (VM)	Load Current Return (C1)	Load Current Polarity (C3)	Holding Switch (HS)	Raise (R3)	Lower (L3)	Neutral Light (NL)	Drag Hand Reset (DHR)	C1 Motor Capacitor Connector	C2 Motor Capacitor Connector



M-2900A	TB3-20	TB3-19	TB3-18	TB3-17	TB3-16	TB3-15	TB3-14	TB3-13	TB3-12	TB3-11	TB3-10	TB3-9	TB3-8	TB3-7	TB3-6	TB3-5	TB3-4	TB3-3	TB3-2	TB3-1
M-6200A M-2001C(D) TB1 and TB2	–	–	–	–	–	–	Ground	Ground	Ground	TB1-8/Ground Neutral	TB1-13 Operations Counter	TB1-10* Voltage Sense	TB1-9 Motor Power	TB1-15/Ground Load Return	TB1-14 Load Polarity	TB2-5/TB2-23** Holding Switch	TB1-5 Raise	TB1-6 Lower	TB1-16/TB1-11 Neutral Light	TB1-12 DHR

\* Connects to NN20, 21 or 22 based on Nameplate

\*\* TB2-5 on M-6200A TB2-23 on M-2001C/D

Wire Chart For B-1465 Harness For M-2001C/D Control Y = Connect Wire N = DO NOT CONNECT WIRE					
M-2001C/D	Adapter Panel				Metal Jumper BECO Part No. 421-00279 (Attached to Harness) TB1-9 to TB1-10
Cooper	M-2255	N	Y	N	Y
Siemens	M-2200	Y	Y	N	N
Howard	M-2200	Y	Y	N	N
GE	M-2200	N	Y	N	Y

Wire Chart For B-1465 Harness For M-6200A Control Y = Connect Wire N = DO NOT CONNECT WIRE								
M-6200A				Metal Jumper BECO Part No. 421-00279 (Attached to Harness) TB1-9 to TB1-10	Wire Jumper BECO Part No. B-1476-0 (In Cloth Bag) TB1-11 to TB2-3	Wire Jumper BECO Part No. B-1476-1 (In Cloth Bag) TB1-3 to TB1-9	Wire Jumper BECO Part No. B-1476-2 (In Cloth Bag) TB1-8 to TB1-16	Jumper On TB2
Cooper	TB1-9	TB1-11	TB1-16	Y	N	N	Y	Position 1 To 2
Siemens	Y	N	Y	N	Y	Y	N	Position 2 To 5
Howard	Y	N	Y	N	Y	N	N	Position 2 To 5
GE	N	N	Y	Y	Y	N	N	Position 2 To 5

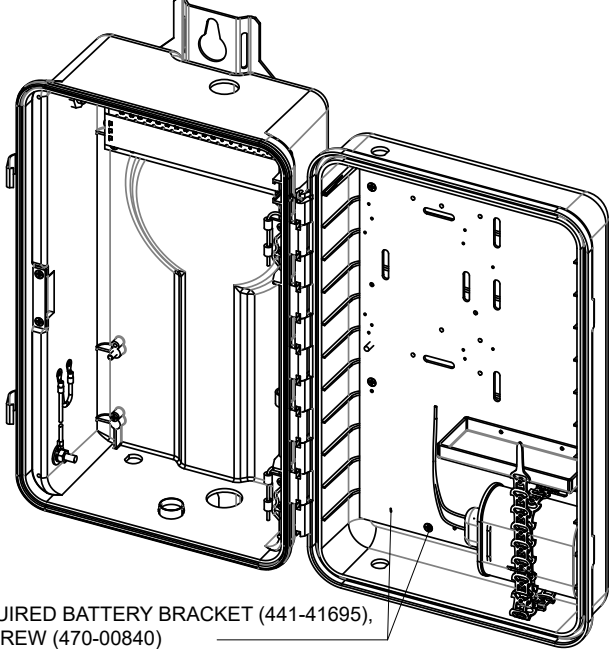
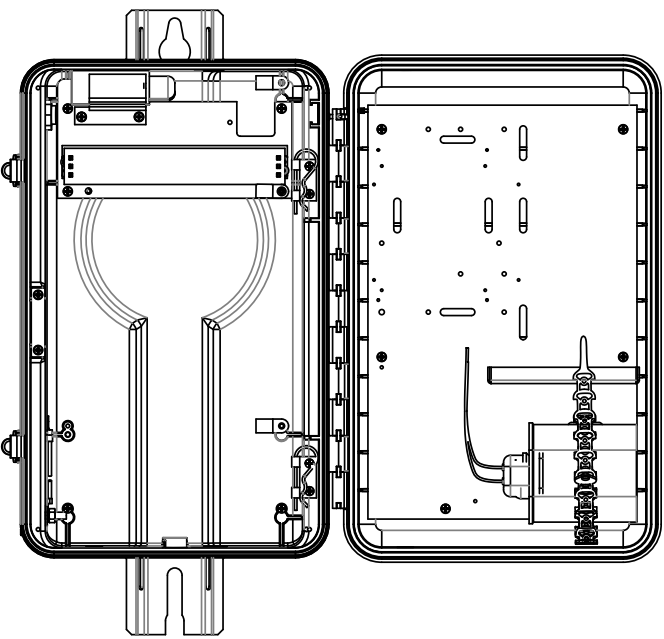
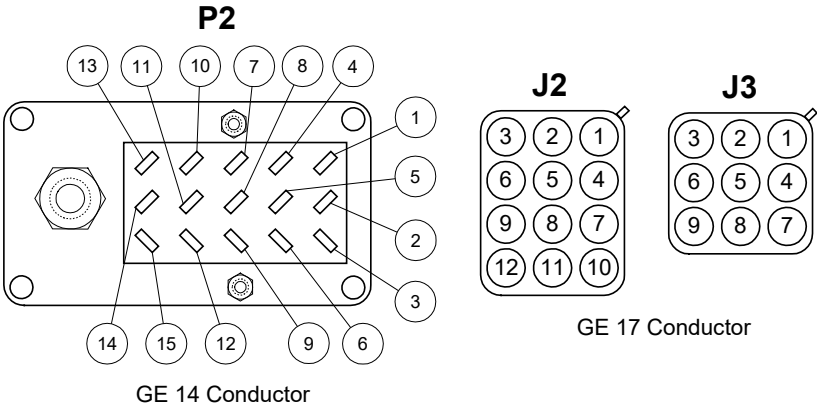
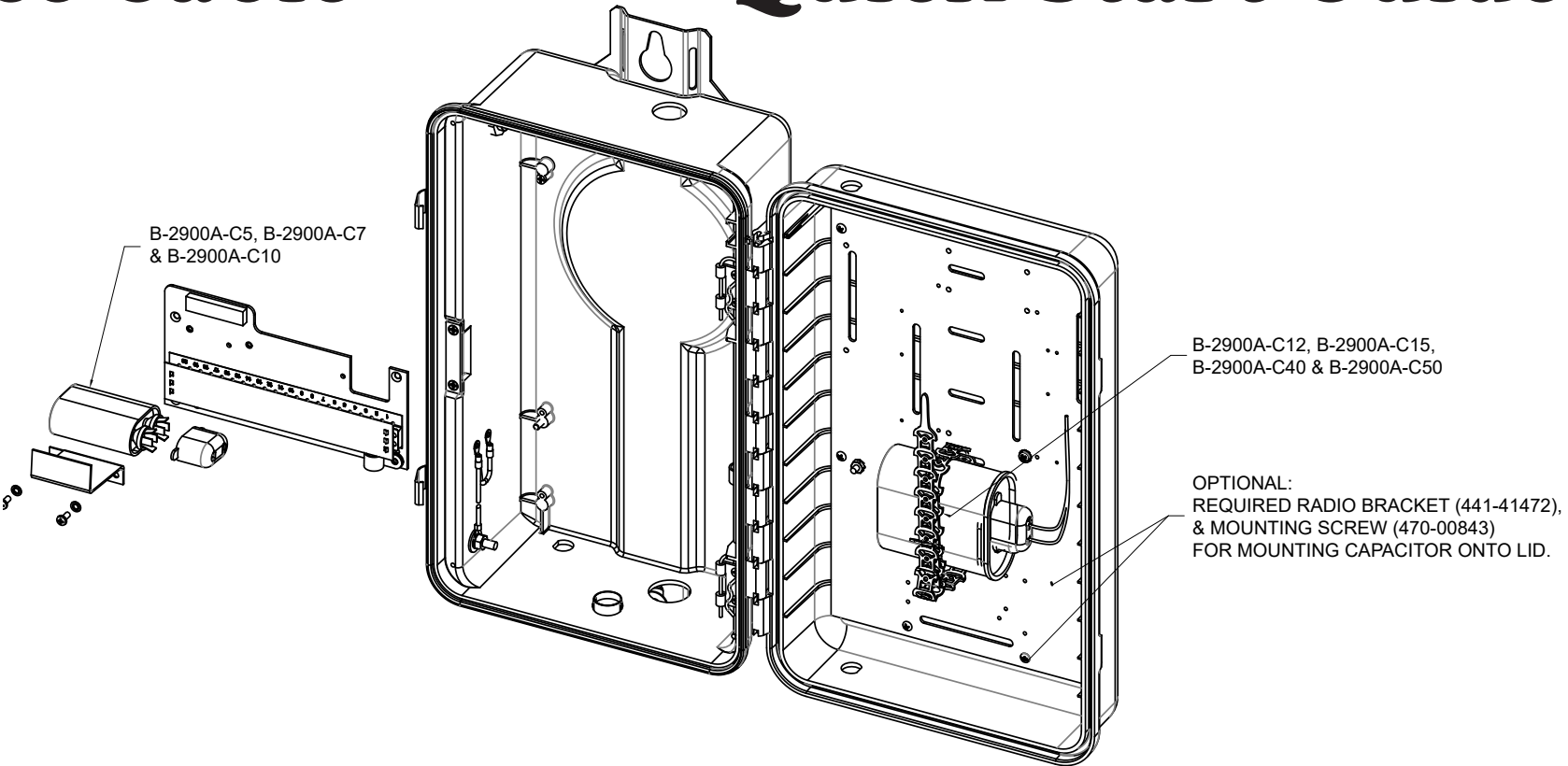
- **Death or severe electrical shock can occur.**
- WARNING:** In no case should the line current circuit be interrupted. Do not remove auxiliary current transformers without shorting the current inputs.
- **Exercise care during installation, operation and maintenance procedures**

The equipment described in this guide contains voltages high enough to cause serious injury or death. Only qualified personnel should install, operate, test, and maintain this equipment. Be sure that all personnel safety procedures are carefully followed. Exercise due care when operating or servicing alone.

# M-2900A Cabinet Interface Cable

# Quick Start Guide

REGULATOR MOTOR RUN CAPACITORS			
The following information covers Domestic Single-Phase and Three-Phase Voltage Regulator manufacturers.			
MANUFACTURER	REGULATOR TYPE & SIZE	CAP SIZE	BECO KIT
GE	All	5.0 µF	B-2900A-C5
Howard Industries	All	10.0 µF	B-2900A-C10
Siemens	JFR Series (Single Phase) (up thru 250 KVA @ 7.6 kV)	7.5 µF	B-2900A-C7
	JFR Series (Single Phase) (greater than 250 KVA @ 7.6 kV)	15.0 µF	B-2900A-C15
	All SFR (Three Phase)	15.0 µF	B-2900A-C15
Cooper	Spring Drive (obsolete)	7.5 µF	B-2900A-C7
	Direct Drive (obsolete) (up thru 1994)	40.0 µF	B-2900A-C40
	Direct Drive (obsolete) (1994 to 2004)	50.0 µF	B-2900A-C50
	Quick Drive (nameplate) (QD3-60 Hz)	12.0 µF	B-2900A-C12
	Quick Drive (nameplate) (QD3-50 Hz)	15.0 µF	B-2900A-C15
	Quick Drive (nameplate) (QD5 and QD8)	50.0 µF	B-2900A-C50



- ⚠️** Death or severe electrical shock can occur.
- WARNING:** In no case should the line current circuit be interrupted. Do not remove auxiliary current transformers without shorting the current inputs.
- ⚠️** Exercise care during installation, operation and maintenance procedures
- The equipment described in this guide contains voltages high enough to cause serious injury or death. Only qualified personnel should install, operate, test, and maintain this equipment. Be sure that all personnel safety procedures are carefully followed. Exercise due care when operating or servicing alone.

