

Full Voltage Starters

Factory installed modifications are available for the classes of control equipment listed in the respective tables. Kits are also available for many field modifications and normal parts replacement on most control items. Refer to Classes 9998 and 9999 for complete listings.

NOTES

- Standard equipment dimensions and enclosure construction may not apply when certain special features are added. Such cases should be referred to the factory, with complete description, when precise dimensions are required.
- If a UL label is required, consult the Customer Care Center at 1-888-778-2733. Some Forms are not UL Listed.

Table 16.334: Full Voltage Starters

	Factory Modifications	Enclosure Type	Form
Pilot Devices in Cover Full Voltage Non-Reversing Controllers Only Classes 8502, 8536, 8538, 8539	Push Buttons [1]		
	Start-Stop	1 [2], 3R, 4, 4X, 12, 7, & 9	A
	Start-Stop (maintained contact) [3] [4]	1 [2], 3R, 4, 4X, 12	A16
	Start-Stop push button and Hand-Off-Auto selector switch [4]	1 [2], 3R, 4, 4X, 12	AC
	On-Off [4]	1 [2], 3R, 4, 4X, 12	A3
	Single Oilight Pushbutton (specify marking) [4]	1, 3R, 4, 4X, 12	A11
	Selector Switches		
	Hand-Off-Auto	1 [2], 3R, 4, 4X, 12, 7, & 9	C
	On-Off [4]	1 [2], 3R, 4, 4X, 12, 7, & 9	C6
	NON-STANDARD markings for Pilot Devices [4]	1, 3R, 4, 12	G12 [5]
	Addition of padlock attachment to Class 9001 operators [4]	1, 3R, 4, 12	G122
	Pilot Lights (specify color/type) [6] See Table 16.335.		
	With Operating Interlock: Add price of each interlock per light	1, 3R, 4, 4X, 12	X [7]
Pilot Devices in Cover Full Voltage Reversing and Multi-Speed Controllers Only Classes 8702, 8736, 8738, 8739, 8810, 8811, 8812	Push Buttons [1]		
	Forward-Reverse-Stop [4]	1, 4, 4X, 12, 7, 9	A1
	High-Low-Stop [4]	1, 4, 12	A2
	Fast-Off-Slow [4]	1, 4, 12	A9
	High-Low push button and Hand-Off-Auto selector [4]	1, 4, 12	A10C
	Single Oilight Pushbutton (specify marking) [4]	1, 4, 4X, 12	A11
	Selector Switches		
	Hand-Off-Auto	1 [2], 4, 4X, 12, 7, & 9	C
	On-Off [4]	1 [2], 4, 4X, 7, & 9	C6
	High-Off-Low	1, 4, 12	C7
	Forward-Off-Reverse [4]	1, 4, 4X, 12, 7, & 9	C14
	High-Low and Hand-Off-Auto [4]	1, 4, 12	CC17
	Slow-Fast [4]	1, 4, 4X, 12	C19
	Forward-Reverse [4]	1, 4, 4X, 12	C20
	High-Low-Off-Auto [4]	1, 4, 12	C25
	Non-Standard Markings for Pilot Devices [4]	Any	G12 [5]
	Pilot Lights [6]	1, 4, 4X, 12	X [7]
	Available with Operating Interlock		

Table 16.335: Pilot Light Forms

	Standard	Push-to-Test	LED	LED-Push-to-Test
	Form	Form	Form	Form
Red ON	P1 [8]	P21	P51	P42
Red OFF	P71	P81	P91	P43
Red Unwired	P38	P28	P58	P44
Green ON	P72	P82	P92	P45
Green OFF	P2 [8]	P22	P52	P46
Green Unwired	P39	P29	P59	P47
Amber	P3	P23	P53	P63
Clear	P4	P24	P54	P64
Yellow	P35	P25	P55	P48
Blue	P36	P26	P56	P66
White	P37	P27	P57	P67
Red LOW—Green HI	P73	P83	P93	P77
Green LOW—Red HI	P74	P84	P94	P78
Red OFF—Green FWD/REV	P75	P85	P95	P79
Green OFF—Red FWD/REV	P76	P86	P96	P80

[1] All push buttons are momentary contact unless specified otherwise.

[2] Selection of various Form combinations may force the use of a larger enclosure.

[3] Specify the appropriate Class 9001 Type K or SK operator required.

[4] Not available for Size 00.

[5] Specify the marking and/or the required Class 9001 Type KN or SKN legend plate.

[6] Indicate the pilot light color as **Form P1** (red), **Form P2** (green), and so forth, as shown in Table 16.335. Unless otherwise requested, standard practice is to wire a red pilot light to indicate that the device is energized. No additional auxiliary contact is required. Also, standard practice is to wire a green pilot light to indicate that the device is de-energized. An additional normally closed auxiliary contact is supplied. A wiring diagram must be provided for other pilot light colors or arrangements.

[7] To determine the maximum number of auxiliary contacts that can be added to each Type S device, and for the appropriate X Form, refer to Table 16.102 (for non-reversing single-speed devices) or Table 16.185 (for reversing or two-speed devices). For Class 8600 reduced voltage controllers, consult the Customer Care Center at 1-888-778-2733.

[8] Only for pilot light. Available for Size 00.