

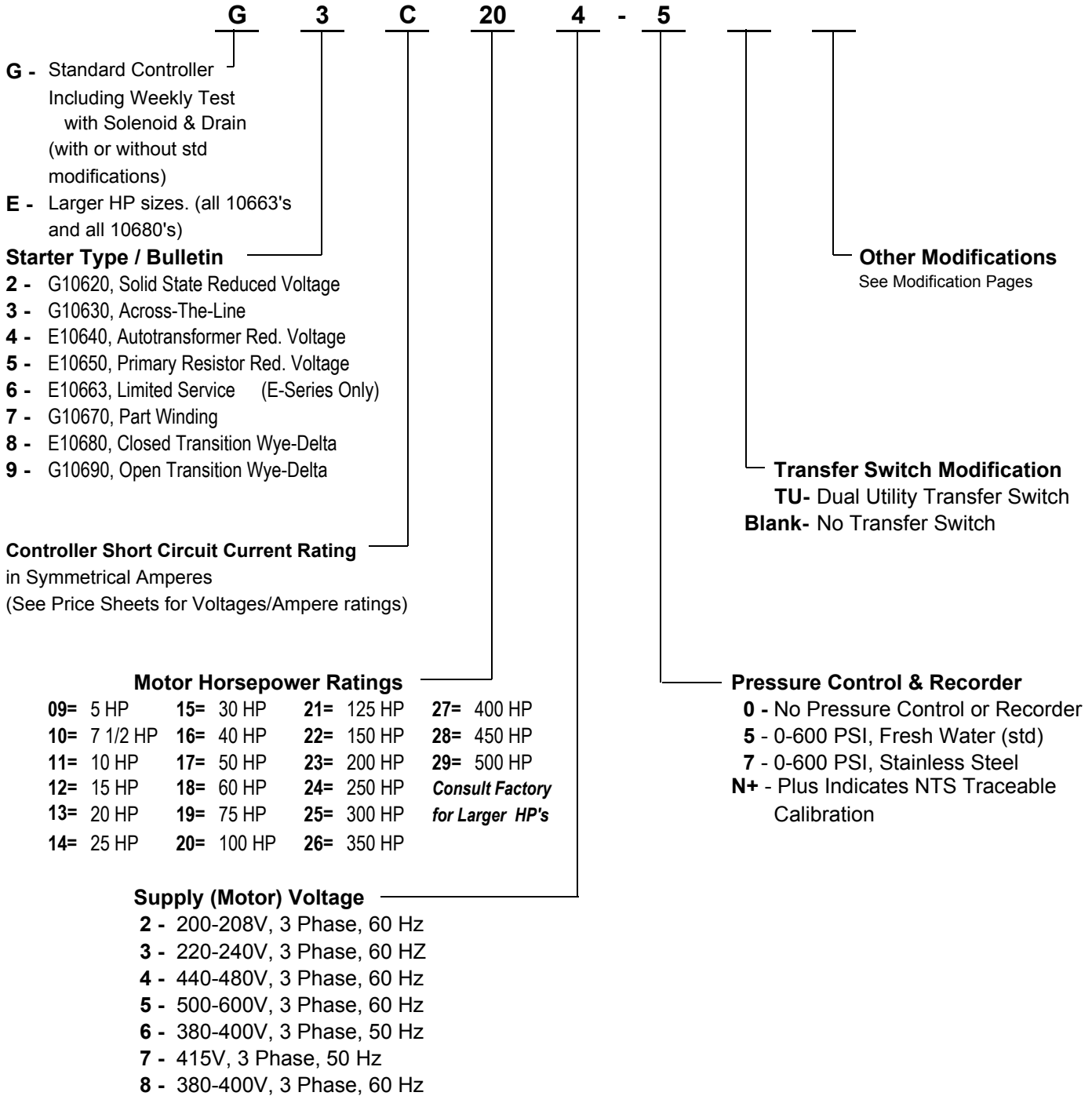


Electric Fire Pump Controllers Catalog Number System

G-E10600

Catalog Numbering System for Main Pump Controllers

Type G10620, G10630, E10640, E10650, G10670, E10680, G10690, E10663(UL Only)



Effective November 2011
Supersedes Price Sheet
Dated January 2011



Modifications E-G Series Controller

E-G 10600

Modification Numbering System for Main Pump Controllers

Type E-G 10620, E-G 10630, E 10640, E 10650, E-G 10670, E 10680, E-G 10690, E10663 (UL Only)

ID	Option Name	ID	Option Name
5	Pressure Transducer 0-600 PSI for fresh water (standard)	R5	Load Shed Includes NO & NC inst. contacts & time delay start
7	PS 0-600 PSI for salt water	R7	Loadshed w/time delay for cont. w/AT
3R	Nema Type 3R - Outdoor, raintight	S1	Pump Failure to Start Indicator & NO & NC
3R w/TU	3R with Option TU (see pg 12)	S2	Pump Over Current Indicator & NO&N
4P	Nema Type 4 - Raintight (painted steel)	S3	Extra Phase Reversal Alarm Contacts
4P w/TU	4P with Option TU (see pg 12)	S4	Remote Low Pressure Alarm Contacts
4X	Nema Type 4X Watertight, corrosion, resistant (#304 Stainless Steel)	S5	Extra Pump Run NO & NC
4X w/TU	4X with Option TU (see pg 12)	S6	Extra Power Failure NO & NC
12	Nema Type 12 Dust-Tight	S7	Extra Power Available NO & NC
12 w/TU	12 with Option TU (see pg 12)	S8	Low Voltage Alarm 83% NO & NC
G	Built In Audible Alarm	S81	Low Reservoir Indicator & NO & NC
H2	Extra Light - Specify Functions	S82	High Reservoir Indicator & NO & NC
J, J21, J22	Lockout Relay - Controller Interlock (J = External input J21 & J22 to interlock 2 electric controllers)	S83	Specify Function- Indicator & NO & NC
K	Control Fuse	S84	Specify Function- Indicator & NO & NC
	Sequence Start (Standard)	V	Pump Room Temperature Sensor
L	Series Pumping Controls For -L1 High Zone & L2 Low Zone Controllers	S85	Low Room Temp Indicator & NO & NC,
M	Anti-Condensation Space Heaters with Transformer	W	Extra SPDT Contact for remote indications of transfer switch position
M	M w/transfer switch		
N	Space heater only 100 watt, 120 V		
N	N w/transfer switch	J31	Suction Pressure Transducer
N1	Space heater only 100 watt, 240 V.	J32	Low Suction Pressure Shut Down Indicator & NO & NC Contacts
N1	N w/transfer switch		4P - Wall Mounted enclosure 4P - Wall Mounted encl. with TS 4P - 24" Floor Mounted 4P - 24" Floor Mounted with TS 4P-39" Floor Mounted 4X - Wall Mounted Enclosure 304 4X - 24" Floor Mounted 4X - 39" Floor Mounted
P1	Thermostat only, use w/Mod M & N		
P1	P1 with Transfer Switch		
P2	Humidistat only, use w/Mod M & N		
P2	P2 with Transfer Switch		
P3	Humidistat & Thermostat w/Mod. M & N		
P3	P3 with Transfer Switch		
M & P2	Tropicalization		

Discount Schedule JC40



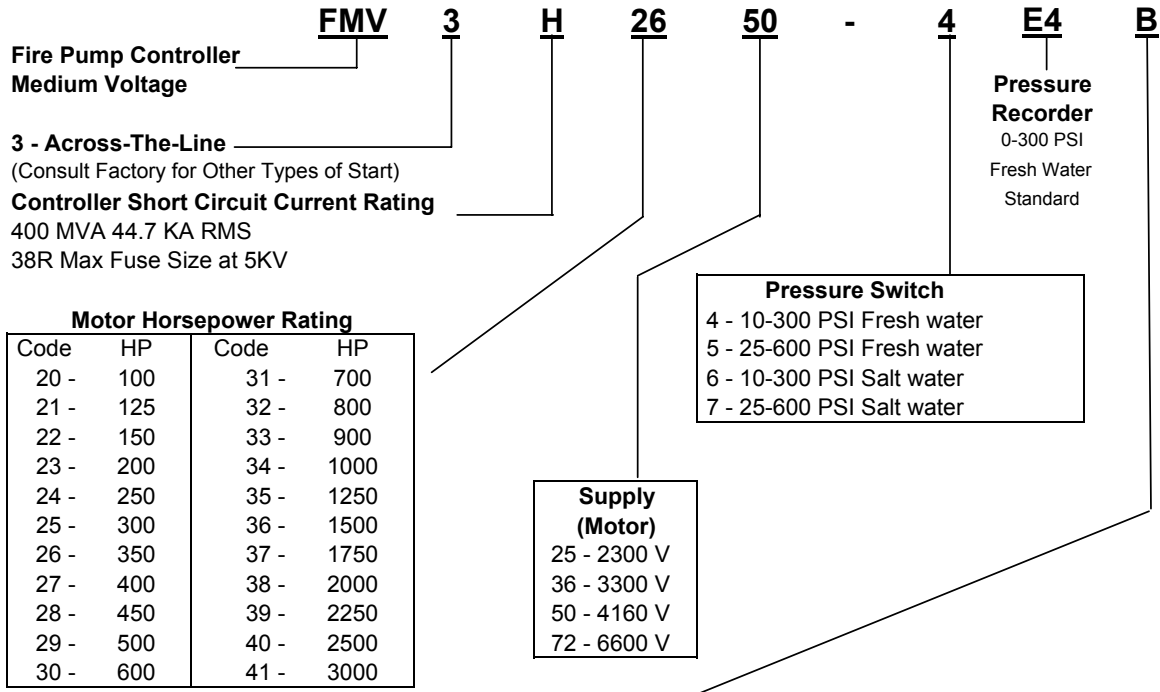
Medium Voltage High Tension Fire Pump Controller

FMV

Description	Description	Description
100 - 600 HP 2300 V	100 - 1000 HP 4160 V	100 - 2500 HP 6600 V
700 - 1000 HP 2300 V	1250 - 1500 HP 4160 V	3000 - 5000 HP 6600 V
1250 - 1500 HP 2300 V	1750 - 3000 HP 4160 V	

Includes new Week/Monthly Test & Solenoid.

Catalog Numbering System



- Modifications**
- Sequence Start**
B Time Delay Start Relay - Add to each pump Controller
- Built-in Alarm**
- G Provides indication for :
- Supervisory Power Normal - Visual
- Pump Operating - Audible
- Pump Power Failure - Visual & Audible
- Pump Phase Reversal - Visual & Audible
- Lockout Relay**
J Provides Automatic Lockout for Pump Run. Used with Low Suction cut-off control
- Anti-Condensation Space Heaters**
- M Space Heater with Power Transformer and fused Secondary
N Space Heater Only, 200 Watt
P1 Thermostat only, for use with Modification M or N
P2 Humidistat only, for use with Modification M or N
- Pump Room Temperature Switch**
V Mounted and wired on controller, adjustable switch can be set to close contacts between 36 - 74 Deg. F
- Weekly Test Timer with Drain Solenoid Valve**
W1 Provides automatic initiation of pressure start system

- Modifications**
- Enclosures**
3R NEMA Type 3R - Outdoor, raintight
4P NEMA Type 4 - Watertight (painted steel)
4X NEMA Type 4 Stainless Steel (304)
12 NEMA Type 12 - Dust-tight
- Pilot Light**
H1 Pump Operating
H2 Other Functions, Specify Function
- Control Circuits**
R2 Auxiliary Relay four poles wired specify function
- Pump Fail to Start Alarm**
S1 Includes visual and remote signal contacts
Remote Low System Pressure Alarm Contacts
S4 Includes visual and remote signal contacts
Q 220V Control Voltage Transformer for Countries with 220V Control Voltage
- Deducts**
Line Fuses Spare Line Fuses Omitted

Note: Supply Locked Rotor Current and Full Load Current when Ordering.

Effective August 2010
Supersedes Price Sheet
Dated April 2006

Discount Schedule JC40



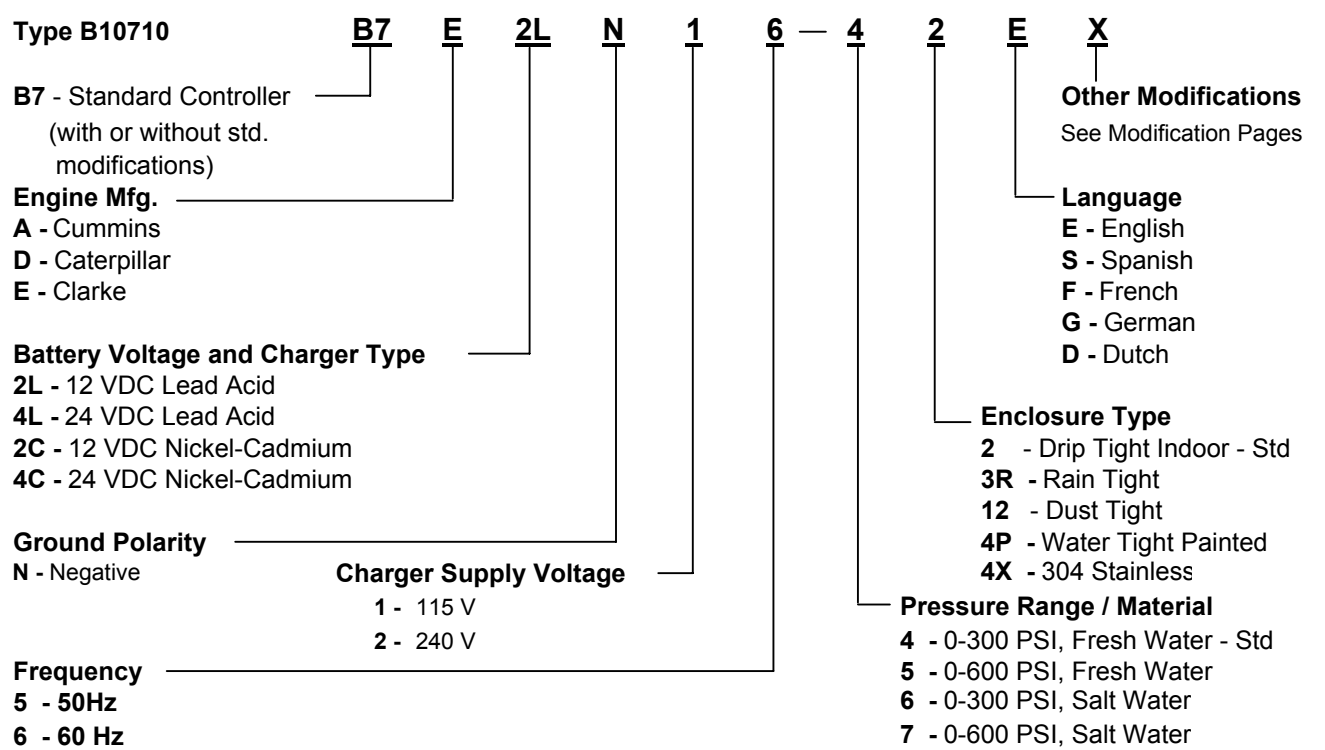
Diesel Fire Pump Controllers Catalog Number System Microprocessor Based Systems

B10710



<p>Description</p> <p>Diesel Controllers provide four major functions:</p> <ul style="list-style-type: none"> - Starts the diesel engine automatically from water pressure control or non-automatically from manual electric control. - Maintains charge on engine starting batteries - Monitors engine as well as system conditions. - Initiates a weekly program test of the system. 	<p>Selection Criteria</p> <ul style="list-style-type: none"> - Diesel Engine Type - Diesel Engine Manufacturer and model number is required to provide the proper control circuit setup. - Voltage - Diesel engine may be 12 or 24 volts DC with negative ground. Controller supply voltage must be 115 or 230 Volts AC. Specific voltage must be specified. - Modifications - List specific modification requirements from the wide selection available on next two pages
<p>Standard Features:</p> <ul style="list-style-type: none"> - Type 2 (IP21) floor mount enclosure - Dual 10 amp battery chargers - Manual Stop (Automatic Stop via Program) - Weekly Test Start and Run - Remote Start/Deluge Valve Start - Printer for Pressure & Event Recording - 300 PSI Pressure Transducer - 115 Volts 50/60 hz Supply - Engine Overspeed Shutdown & Alarm - Safety Shutdown Circuit during Test Run - Microprocessor Based Controlle 	<p>Basic Controller</p> <p>12 Volt Series - Neg Gnd Example: B7E2LN16-42E</p> <p>24 Volt Series - Ned Gnd Example: B7E4LN16-42E</p>

Catalog Numbering System for Main Fire Pump Controllers



Effective Date: Apr-06
Supersedes: Sep-05



Modifications B-Series Diesel Controller

B10710

Modification Numbers for Diesel Pump Controllers
Type B10710 Microprocessor Based Diesel Pump Controller

ID	Option Name	ID	Option Name
	Individual Alarm Contacts - DPDT		Equipment Modifications
A1	Weekly test alarm contacts	C1	Lockout circuit from other equipment
A2	Over speed alarm contacts	C2	Interlock circuit to another FP controller
A3	Low oil pressure alarm contacts	C5	CE listing c/w AC isolating switch (door interlock) and EMI filter
A4	High temperature alarm contacts	C7	Engine block heater circuit
A5	Failure to start alarm contacts	C8	Pump Room Indicator (Specify)
A6	Battery 1 & 2 fail alarm contacts (2 DPDT)	C9	Non pressure actuated controller
A7	Charger 1 & 2 fail alarm cnts (2 DPDT)	C13	DC Damper Control
A8	AC failure alarm contacts	C18	Pump Room Indicator & Remt Cnt
A9	System Overpressure		
A10	Engine Alt. ECM & Fuel Inject. Failure		
	Pump Room Alarm Contacts - DPDT		Miscellaneous Modifications
B1	Low fuel level alarm contacts	3R	Type 3R (IP53) Rain Resistant Enclosure
B2	Water reservoir low alarm contacts	12	Type 12 (IP52) Enclosure
B3	Water reservoir empty alarm contacts	4	Type 4 (IP65) Enclosure
B4	Low pump room temperature alarm cnts	4X	Type 4X (IP65) Enclosure - 304 SS
B5	High fuel level alarm contacts	D4	600 PSI Pressure Transducer
B6	Low system pressure alarm contacts	D5	300# Stainless Steel Transducer & Pipe
B7	Low suction pressure alarm contacts	D6	600# Stainless Steel Transducer & Pipe
	Programmable Alarm & Contacts	D9A	Space Heater & Thermostat
E1	Customer Specify	D9B	Space Heater & Humidistat
E2	Customer Specify	D10	Low Pump Room Temp Switch -40 Deg F
E3*	System Overpressure	D11	Low Suction Pressure Switch - Mounted
E4*	Engine ECM Failure	D12	Tropicalization
E5	Customer Specify Alarm Only	D13	Modem for Remote Monitoring
E6	Remote Start for Non-Automatic Controls	D14	Printer port connection, no internal printer
E8	Alarm Relay Contacts for E1	D15	Externally mounted wetted part
E9	Alarm Relay Contacts for E2	D16	Omit Mounting Feet
	* Not Available when A9 is present	D17	French Labelling
	Alarm Points E3 - E4 can be renamed up to 20 Char.	D18	Spanish Labelling
		D19	Labelling in language other than English, French, Spanish
		J	Power Failure Start
			Non-Mounted Accessories
		10720L	Low Fuel Level Switch, 2" MPT
		10720LH	Low & High Fuel Level Switch, 2" MPT
		10720C	Fuel Containment Switch A10-454894A
		ACC1	Kit #7 Wire Replacment - Neg. Gnd
		ACC2	Kit #7 Wire Replacment - Pos. Gnd
H1	Shipping Modifications Export Crating for one controller (for multiple controllers, consult factory)		

Effective Date: Jan-06
Supersedes: Nov-05

Discount Schedule JC44



Modifications

B10710

B-Series Diesel Controller

Modification Numbers for Diesel Pump Controllers

Type B10710 Microprocessor Based Diesel Pump Controller

ID	Option Name	ID	Option Name
	ref. 466138A-X or XX		
	Extra Remote Alarm Contacts		
G1	Extra Engine Trouble Contacts 4-C		
G2	Extra Engine Running Contact 4-C		
G3	Extra Pump Room Trouble 4-Form C		
G4	Extra Controller Trouble 4-Form C		
G5	Extra Main Switch Position - 4-C		
G7	Built-in Low Suction Alarm & Contacts		
T1	Use C13 Option		
T2	DC Louver - Dual Drive		

Discount Schedule JC44