



The model GPY reduced voltage wye delta open transition fire pump controller built to the latest NFPA20 standard and listed and approved by UL(218) and FM provides for:

- Reduction of inrush current to 33% of normal in the wye connection. This type of controller is meant to be used where the capacity of the electric power source does not permit full voltage across-the-line starting.
- The open transition switchover from the wye to the delta (across-the-line) connection can result in a momentary peak current of up to or above the across-the-line inrush current.
- 6-wire motor connection and change of motor rotation can be cumbersome.

Only quality components, all U.L. listed or recognized and C.S.A. certified are used throughout to assure the best possible reliability.

The complete assembled and wired controllers are factory tested before shipping and ready for immediate installation.

SUITABLE FOR USE AS SERVICE ENTRANCE EQUIPMENT
(where acceptable by local code)

This controller meets the NFPA 20 requirements for connection to a normal power source only. For normal and alternate power sources, add a listed fire pump automatic transfer switch (Model GPG or GPU). Fire pump controller and automatic transfer switch will be supplied as one unit.

Electric Fire Pump Controller

Full service reduced voltage
Wye delta open transition starter
Micro-processor based



CONTROLLER PROTECTION LEVEL:

- Standard NEMA - UL - CSA type 2
- Optional - NEMA - UL - CSA type 3R
 - NEMA - UL - CSA type 4
 - NEMA - UL - CSA type 4X
 - NEMA - UL - CSA type 12

POWER AND MOTOR LEAD ENCLOSURE ENTRANCE

- Bottom gland plate

PRESSURE / EVENT RECORDER, ANNUNCIATOR AND LCD DISPLAY

- Accessible without opening main door
- Voltage and current indication
- Pressure settings and system pressure indication
- 7 day pressure and 15 day event data retrievable through a USB (slave) communication port

MICRO-PROCESSOR BASED LOGIC CONTROL

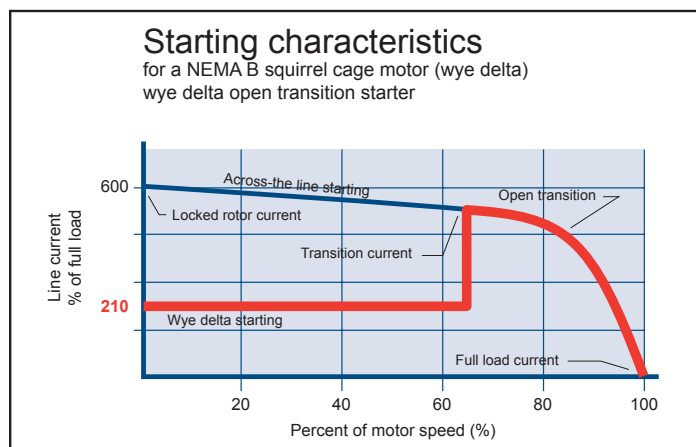
- Mechanically protected and shielded

WITHSTAND RATING (short circuit current):

	208V. to 480V.	600V.
Standard	100,000 A.	50,000 A.
Optional	150,000 A.	100,000 A.

OPERATIONAL TEMPERATURE LIMITS:

- 41°F to 122°F (5°C to 50°C)



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STANDARD FEATURES:

MANUAL OPERATORS (FLANGE MOUNTED)

- Single operator for both isolating switch and circuit breaker door interlocked in the "ON" position complete with interlock defeater screw
- Emergency manual start handle providing for manual across-the-line starting
- Start and Stop pushbuttons

ELECTRICAL FEATURES

- Molded case isolation switch
- Molded case circuit breaker
- Motor starter HP rated
- 3 phase voltage surge suppressor

CONTROL FEATURES

- Micro-processor logic based
- Factory set (no field programming)
- Locked rotor protection
- Phase sequence / loss
- Provision for remote or deluge valve start
- Automatic start sequence
- Pressure transducer (0-300psi)
- Manual and emergency control circuit independant of micro-processor

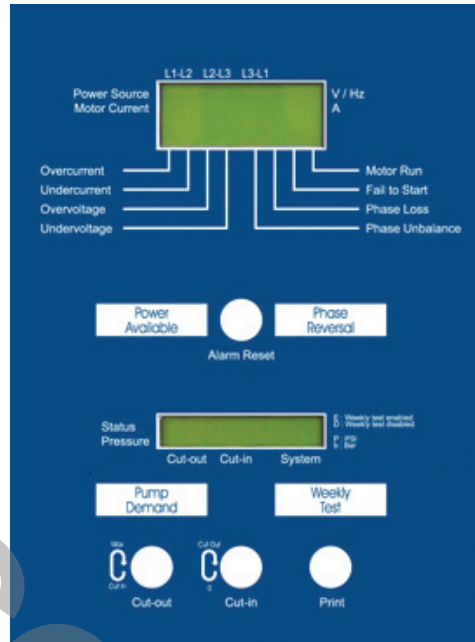
DRY ALARM CONTACTS - 8A. - 250VAC

- Power or phase failure and/or circuit breaker in open position - DPDT
- Phase reversal - DPDT
- Pump run – 1N/O – 1N/C
- Trouble (alarm conditions) - DPDT

OPTIONAL FEATURES:

(Refer to GPO Brochure for details)

- **Option Type A:** Operational modifications
- **Option Type B:** Additional annunciations
- **Option Type C:** Extra alarm contacts
- **Option Type D:** Miscellaneous
- **Option Type E:** Load shedding provisions
- **Option Type F:** Automatic transfer switch options
- **Option Type H:** Export packing



ANNUNCIATOR AND LCD DISPLAY

Voltage and amperage module

Provides for:

- Phase sequence / Loss monitoring & alarms
- Individual phase-to-phase voltage indication
- Individual phase current indication
- True elapsed run time
- Motor run visual indication
- Over & under current visual indication
- Over & under voltage visual indication
- Fail to start visual indication
- Phase loss visual indication
- Phase unbalance visual indication
- Power available LED
- Phase reversal LED

Pressure and Sequencer module

Provides for:

- Cut-In & Cut-Out pressure setting
- System pressure indication
- Run period timer
- Sequential start timer
- Weekly test setting
- Pressure recording
- Alarm & events recording
- Pump on demand LED
- Weekly test LED
- USB (slave) communication port
- Printer (optional)
- Modem (optional)



BOTTOM GLAND PLATE

For ease of power and motor lead entrance

208V.-240V.	380V.-416V.	440V.-480V.	600V.
HP	HP	HP	HP
5 to 30	5 to 50	5 to 60	5 to 75
40-60	60-100	75-150	100-150
75-150	125-350*	200-400	200-500

* If FLA is equal to or less than 522 A.

GPA - GPP - GPY			GPR - GPS - GPW			APPROX. WEIGHT
WIDTH	HEIGHT	DEPTH	WIDTH	HEIGHT	DEPTH	
in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	in. (mm)	Lbs. (Kg)
20 (508)	36 (914)*	12 (305)	26 (660)	36 (914)*	12 (305)	275 (125)
24 (610)	54 (1371)	14 (355)	30 (762)	54 (1371)	14 (355)	375 (170)
30 (762)	68 (1727)	18 (457)	36 (914)	68 (1727)	18 (457)	600 (270)

* Height does not include mounting feet.

HOW TO ORDER: GPY - V / HP / Ph / Hz + options
Ex.: GPY - 208 / 20 / 3 / 60 + options

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