

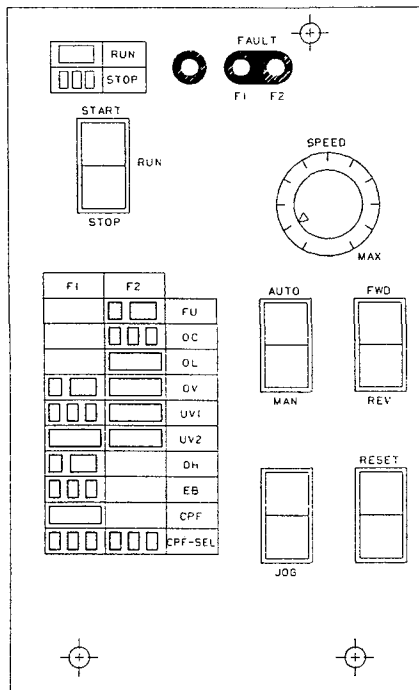
INTEGRAL MOUNTING OPTION OPERATOR CONTROL, PANEL-MOUNT (OCP) MODEL L767

IMPORTANT

Before installing this option, a **TECHNICALLY QUALIFIED INDIVIDUAL**, who is familiar with this type of equipment and hazards involved, should **READ** this ENTIRE INSTRUCTION SHEET.

DESCRIPTION

The Operator Control, Panel-Mount (OCP) mounts within the GPD 602 enclosure. Its front panel (controls and indicators) is accessible with the Drive front cover in place.



TD 12V25 0264 F101

Figure 1. OCP Model L767 - Front View

RECEIVING

All equipment is tested against defect at the factory. Any damages or shortages evident when the equipment is received must be reported immediately to the commercial carrier who transported the equipment. Assistance, if required, is available from the nearest MagneTek Drives & Systems Sales Agent.

Table 1. OCP Model L767 Specifications

Storage Temp Range	-20°C to +70°C (-4°F to 158°F)
Operating Temp Range	-10°C to +60°C (14°F to 140°F)
Operating Humidity	90% max relative (No condensation)
Environmental Conditions	- Protected from direct sunlight - Protected from corrosive gasses or liquids
Vibration	1G at frequency less than 20HZ 0.2G at 20 to 50HZ
Approx Wt	0.55 lbs
Dimensions (W X H x D)	3.86" x 5.91" x 1.97"

CHANGE RECORD

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INSTALLATION

WARNING

HAZARDOUS VOLTAGE CAN CAUSE SEVERE INJURY OR DEATH.

LOCK ALL POWER SOURCES FEEDING DRIVE IN "OFF" POSITION.

1. Turn off all electrical power to the GPD 602.
2. Verify that the "CHARGE" lamp is out. Then loosen mounting screws and remove the front cover.
3. See Figure 2. Remove the indicator lamp plate from the Drive by removing three mounting screws.
4. Position the OCP on the three standoffs on the Control PCB and secure using the mounting screws.
5. Remove the factory-installed jumper at control circuit terminals 1 and 3.
6. Connect wires from OCP Model L767 to control circuit terminals of the Drive, according to Table 2 and Figure 3.

7. On the Control PCB, verify that the Auxiliary Frequency Reference Signal Selector shunt is in the "R" position.

Table 2. Wiring Connections

WIRE COLOR	TO TERMINAL
WHITE	1
RED	2
BLACK	3*
BROWN	5
VIOLET	6
GREEN	8
BLUE	20
ORANGE	21
YELLOW	22

* If motor overload 10L is used, connect Black wire to 10L N.C. contact, and add a wire #12 from N.O. contact to terminal 3.

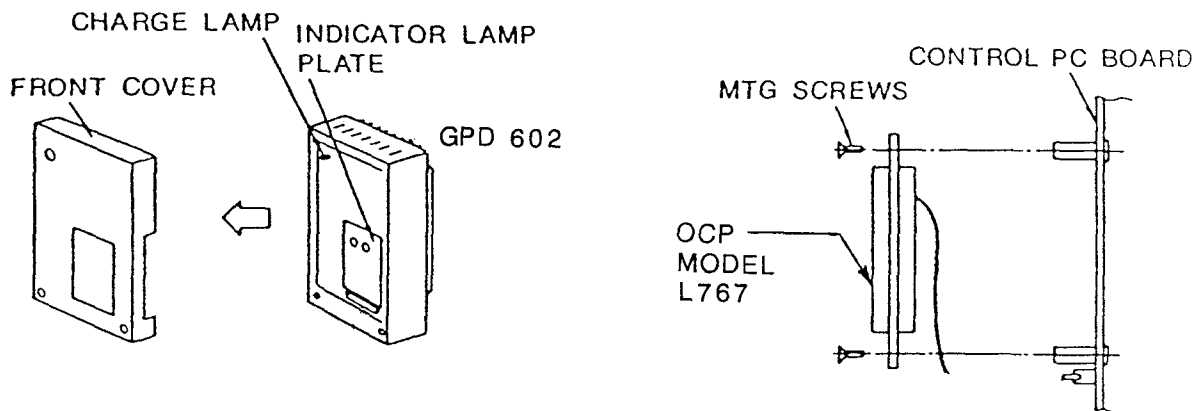
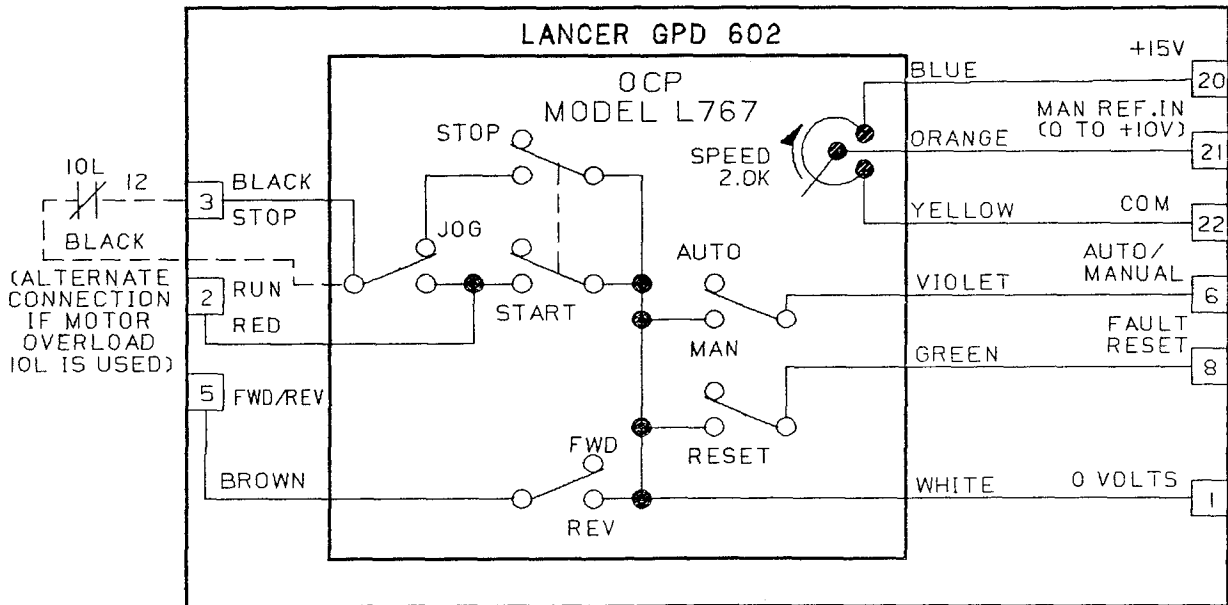


Figure 2. Installation

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TD.1.2Y25.0284.FIG3

Figure 3. OCP Model L767 Connections

IMPORTANT

After the above connections are completed, NO FURTHER WIRING SHOULD BE CONNECTED TO THESE TERMINALS.

8. Replace and secure the GPD 602 front cover.

9. Place this instruction sheet with the inverter technical manual.

IMPORTANT

The appropriate schematic at the end of this instruction sheet supersedes the one in the manual, and Notes 5, 6 and 9 in the manual do not apply.

FUNCTION OF OPERATOR CONTROLS

NOTE

Because of the method of connection to the control circuit, the inverter recognizes the operator controls on the Operator Control Panel as "remote" controls.

AUTO/MAN - This two position switch selects whether the Drive will operate in Automatic mode (responding to external reference signal input) or in Manual mode (responding to SPEED pot setting on the Operator Control Panel).

JOG - This two position switch is used to select jog operation (in Manual mode only).

While the drive is stopped, place this switch to the JOG position. Then when the RUN switch is momentarily held to the START position, the Drive will start and run at the SPEED pot setting. When the RUN switch is released, the Drive will automatically go into Stop mode. To return to normal operation, while the Drive is stopped set this switch back to its "off" position.

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RESET - Setting this switch briefly to the RESET position will reset any fault indication and reset the Drive's fault relay. Return to its "off" position before restarting the Drive.

START/RUN/
STOP - This two position, center off switch is used to start the Drive. Regardless of whether the Drive is operating in Manual or Auto mode, the Stop command takes priority over any other control signal.

FWD/REV - This two position switch selects the direction of motor rotation.

STATUS DISPLAY

The "RUN" LED indicates, by steady or blinking illumination, the run/stop status of the Drive.

The "FAULT" LEDs provide indication of the type of fault which caused Drive shutdown; refer to Section 7 of the inverter manual for description of fault codes.

FAULT RESET

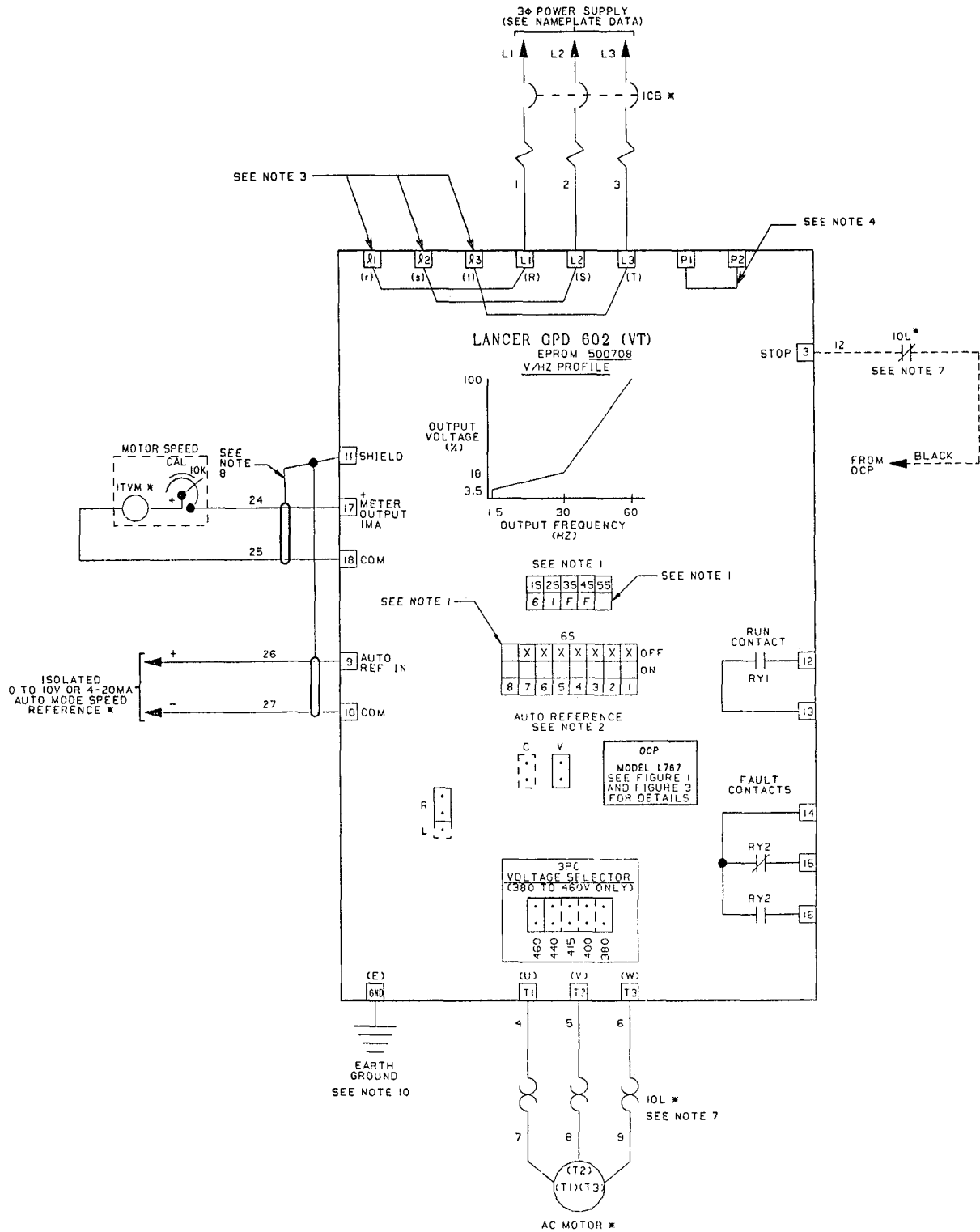
After a fault shutdown, once the fault indication has been noted, the status display LEDs can be turned off and the Fault relay reset as follows:

- a. If necessary, set the AUTO/MAN switch to MAN. Open the RUN/STOP command.
- b. Momentarily place the RESET switch to RESET, then back to "off" position.

If the above procedure does not turn off the status display LEDs, the fault is still present.

The reset function will occur automatically if power is removed from the Drive and then reapplied.

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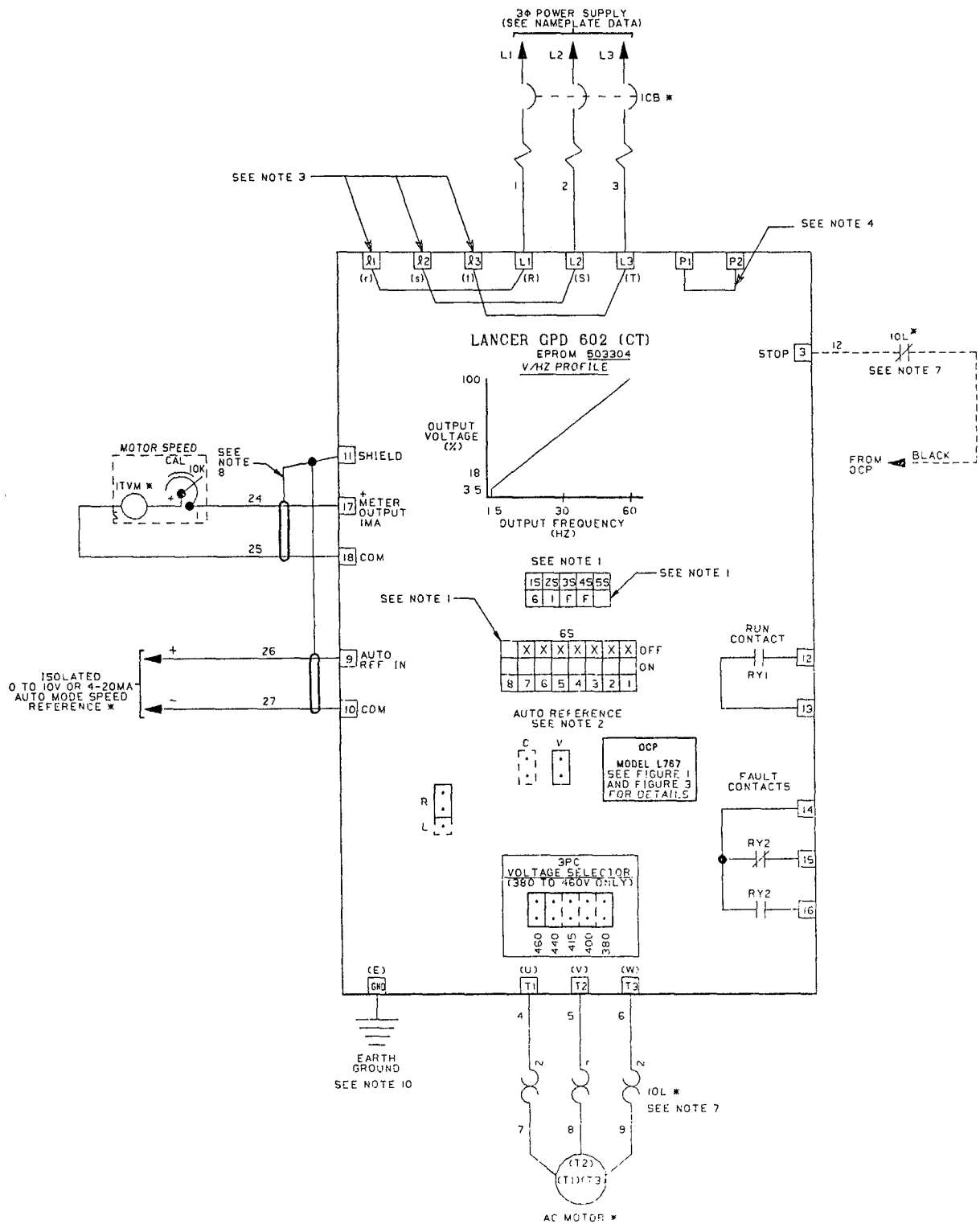


TD 1 2Y25 0284 VT.SCHEM

LANCER GPD 602
VARIABLE TORQUE
208 TO 230V, 5 TO 75HP
380 TO 460V, 5 TO 600HP

(FOR NOTES, REFER TO
INVERTER MANUAL)

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TD 1 2Y25 0284 CT SCHEM

LANCER GPD 602
CONSTANT TORQUE
208 TO 230V, 5 TO 75HP
380 TO 460V, 5 TO 60CHP

(FOR NOTES, REFER TO
INVERTER MANUAL)

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