

Installation & Instructions Manual

Adding a Timer to Close

on a single & 3-phase
115/230/208/460/575V.

(Opera series & models
MTH/MTBH/GH/MGH/MSJ/MJH/MGT/MSLD/MGSLD)
operators

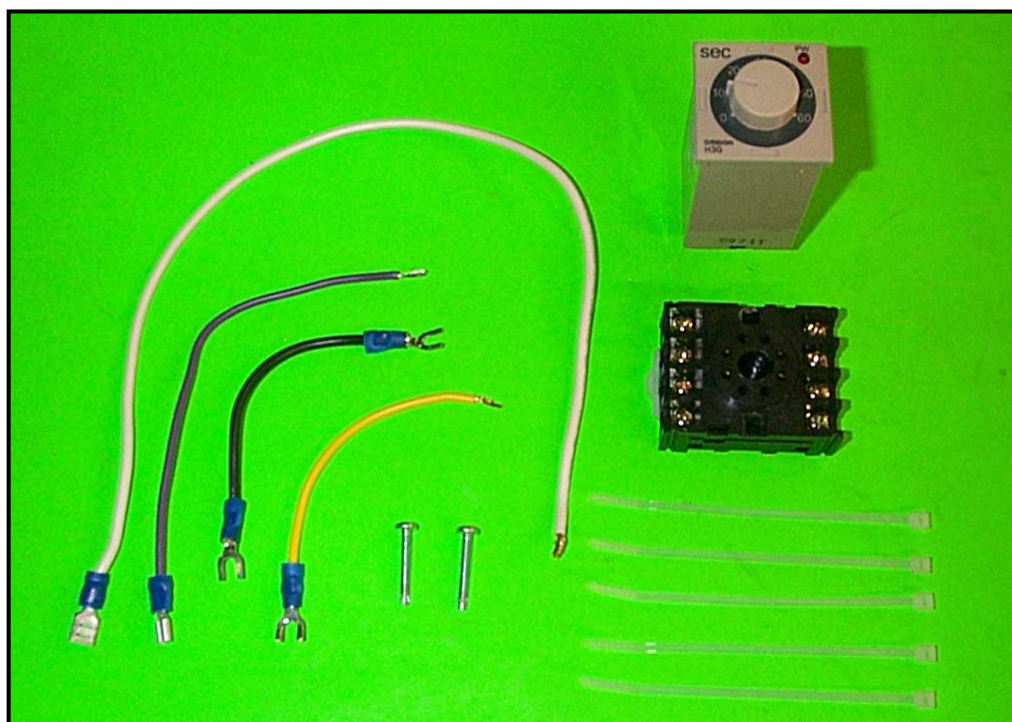
**For more information, please visit www.devancocanada.com
or call toll free at 855-931-3334**

Note:

For all general information, refer to
Installation and Instruction Manual
supplied with the operator.



Parts required for installing a timer to close on an existing operator (field modifications)



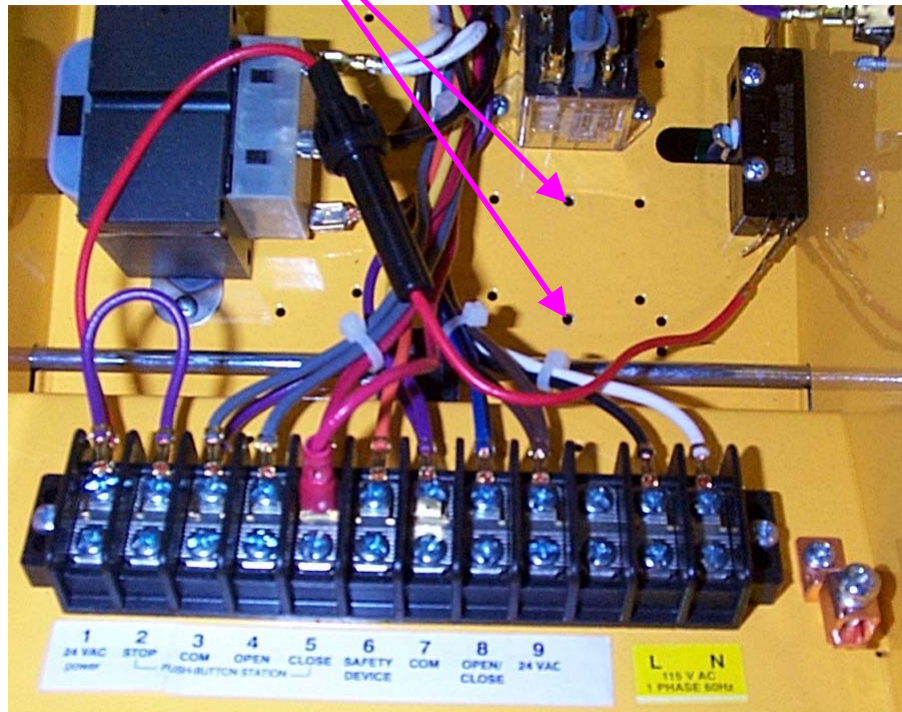
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|-----|---------------|-----------------------------------|
| 1 | TIMER 004 | Single Timer, 24 Volts, 60 sec. |
| 1 | RELAY 022 | Timer socket base 8 pins |
| 2 | SCREW 096 | Self Taping Screw 6-32NC x 7/8" |
| 4" | WIRE 020 | Wire 18 gage, 16 strand, Black |
| 15" | WIRE 024 | Wire 18 gage, 16 strand, White |
| 4" | WIRE 025 | Wire 18 gage, 16 strand, Yellow |
| 5" | WIRE 028 | Wire 18 gage, 16 strand, Purple |
| 1 | CONNECTOR 011 | Insulated Quick-disconnect 0.250" |
| 1 | CONNECTOR 012 | Insulated Quick-disconnect 0.187" |
| 3 | CONNECTOR 013 | Insulated Spade Terminal 0.320" |
| 5 | CABLE 009 | Ties 4" |

NOTE:

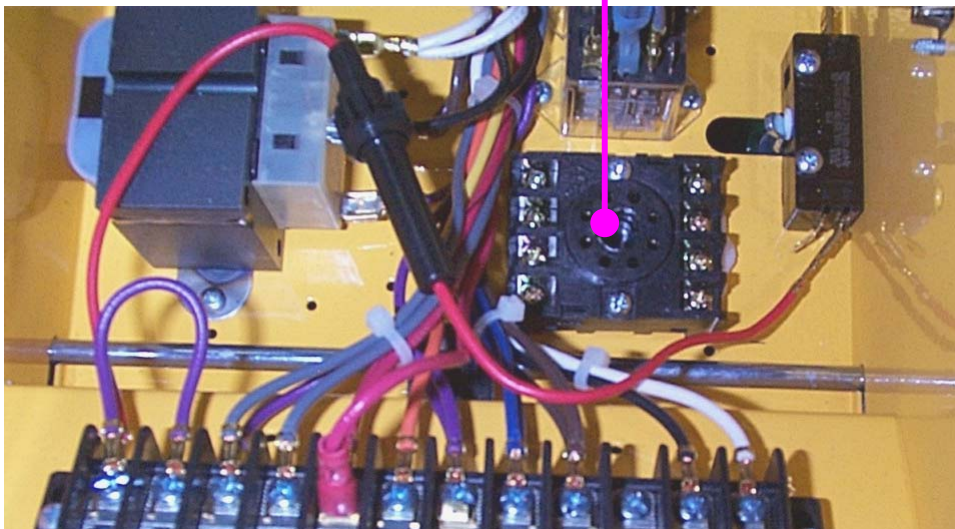
Some pictures in this instruction manual may differ from the electrical components found in the operator's control box. Pictures are shown for reference only. Wiring instructions remains the same even if the electrical components make are different.

The timer socket base will be installed near the disconnect limit switch in two pre-drilled holes.

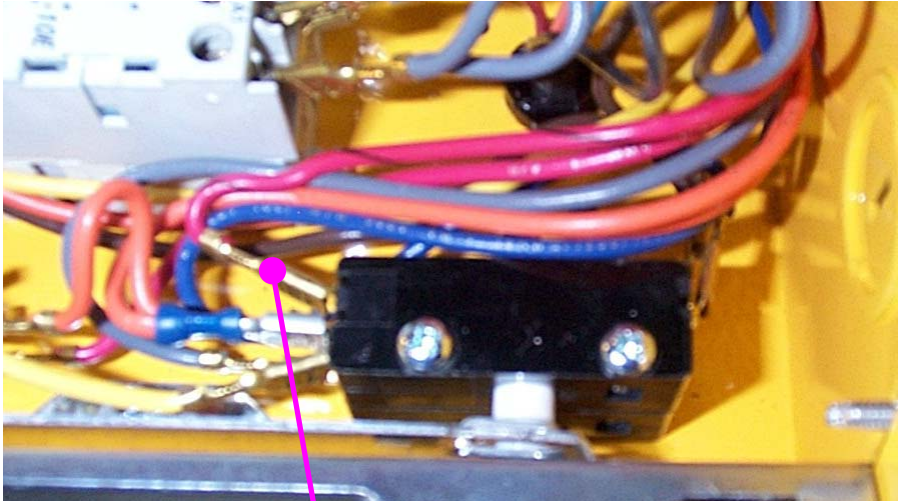
Holes for timer socket base.



Install the timer socket base using the (2) screws.
The base numbers « 3, 4, 5, 6 » have to face the limit switch.



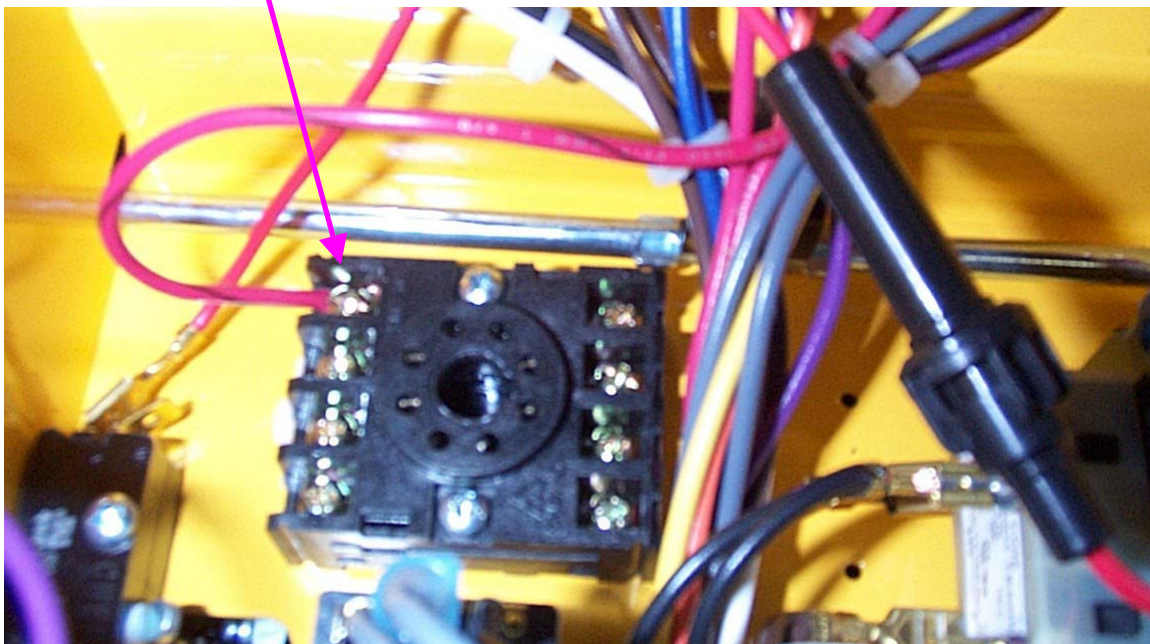
Disconnect the Red/Black wire on the Advance Open Limit Switch. From there, remove the next (5) ties to free the Red/Black wire. Cut and remove the first 10" of the Red/Black wire.



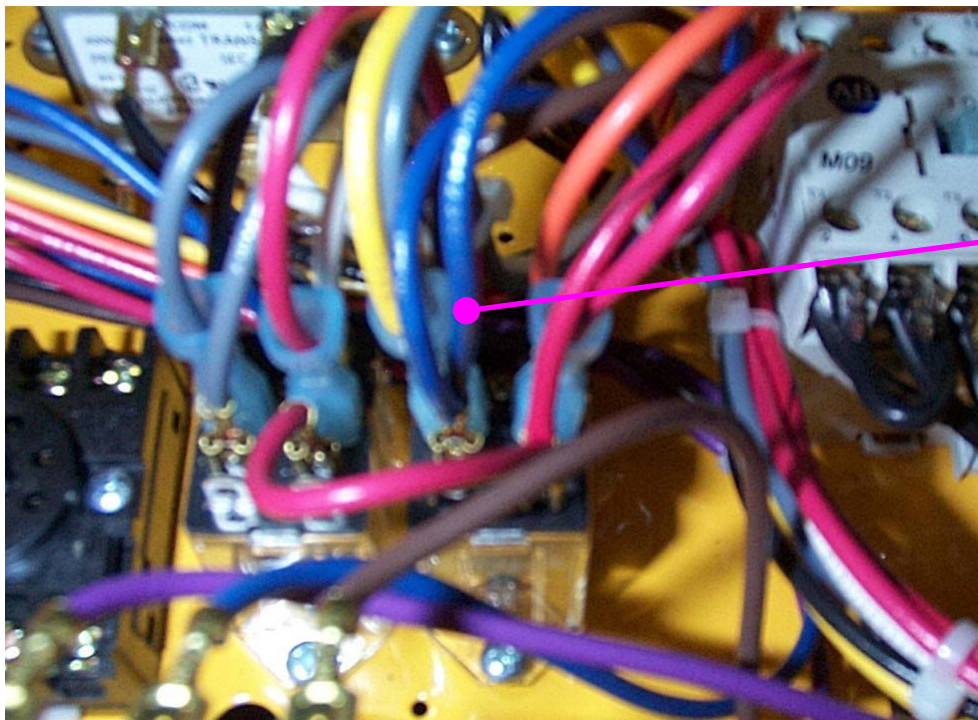
**Red/Black wire to disconnect from the
Adv.Open Limit Switch (the limit on the top)**

**Using a wire-stripper, strip the end of the Red/Black wire.
Connect the Red/Black wire to terminal #3 on the timer socket base.**

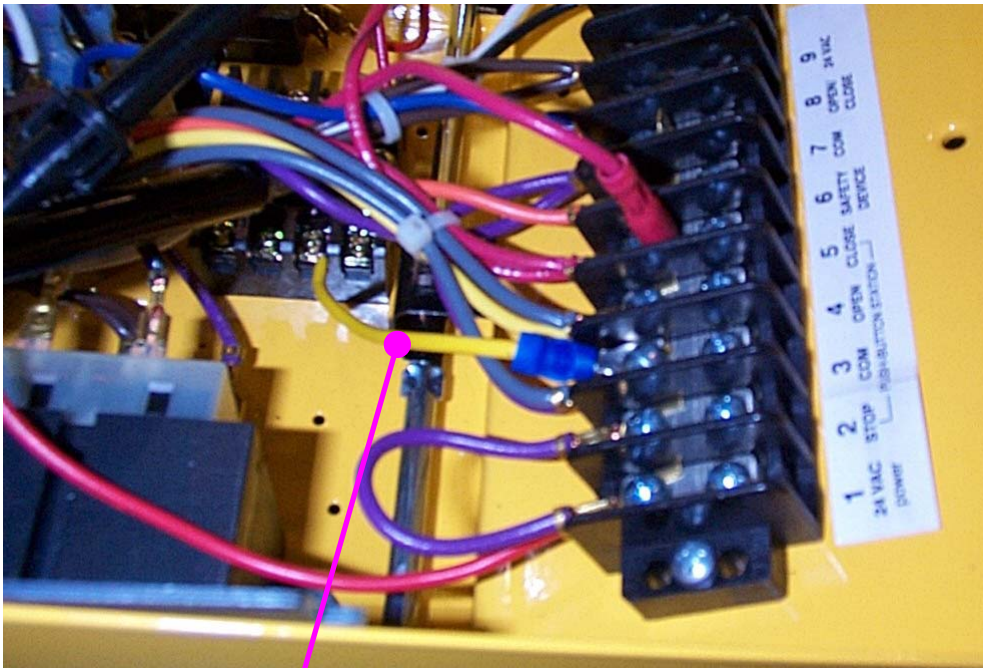
Terminal #3



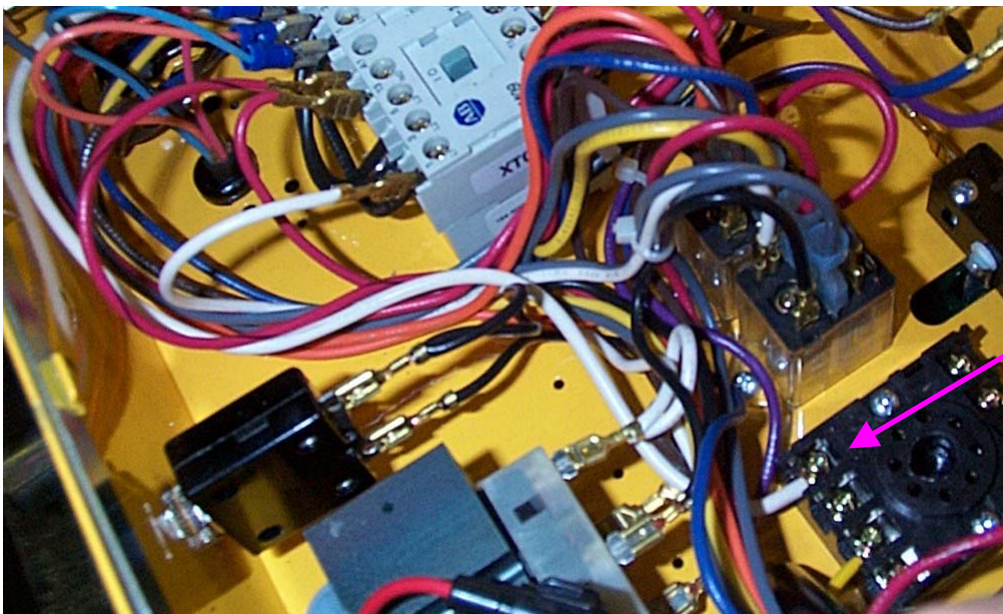
There is (2) blue wire on T-Strip #8, one going to the Radio Receiver and one going to the Relay ; find the one going to the Relay and remove it by cutting it near the T-Strip and near the Reversing Relay.



Connect the 4" Yellow wire to T-Strip #3 and to terminal #1 of the Timer socket base.



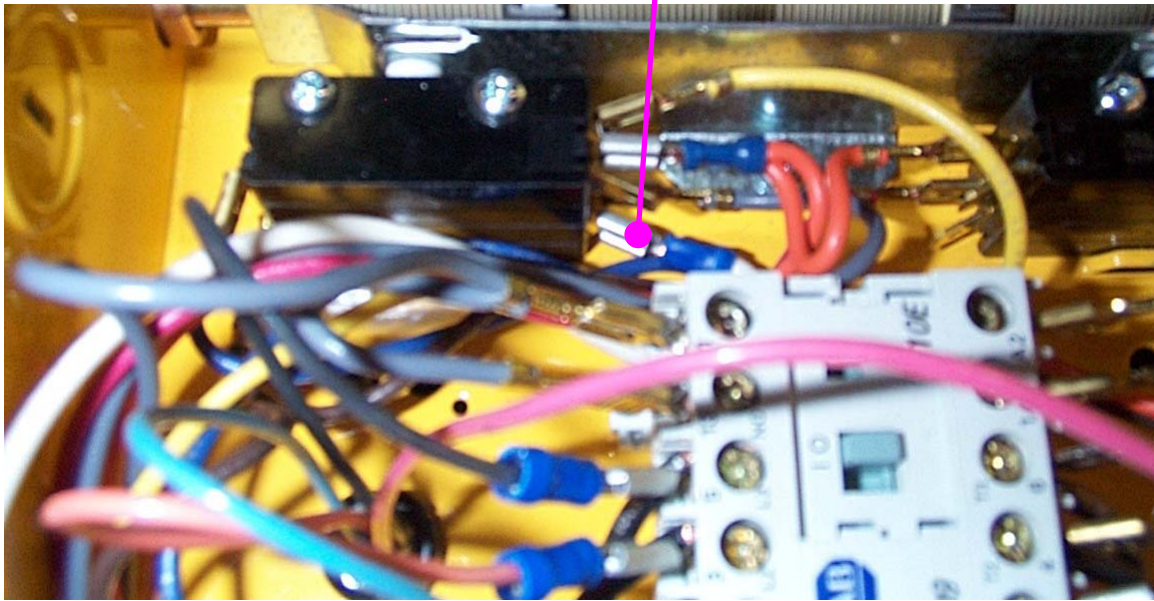
Yellow wire



**Connect the white wire
to the timer base
Terminal #7**

Connect the 15" White wire to terminal #7 of the Timer socket base and to the Open Limit Switch

**White wire to connect to the
Open Limit Switch
(the limit on the bottom)**

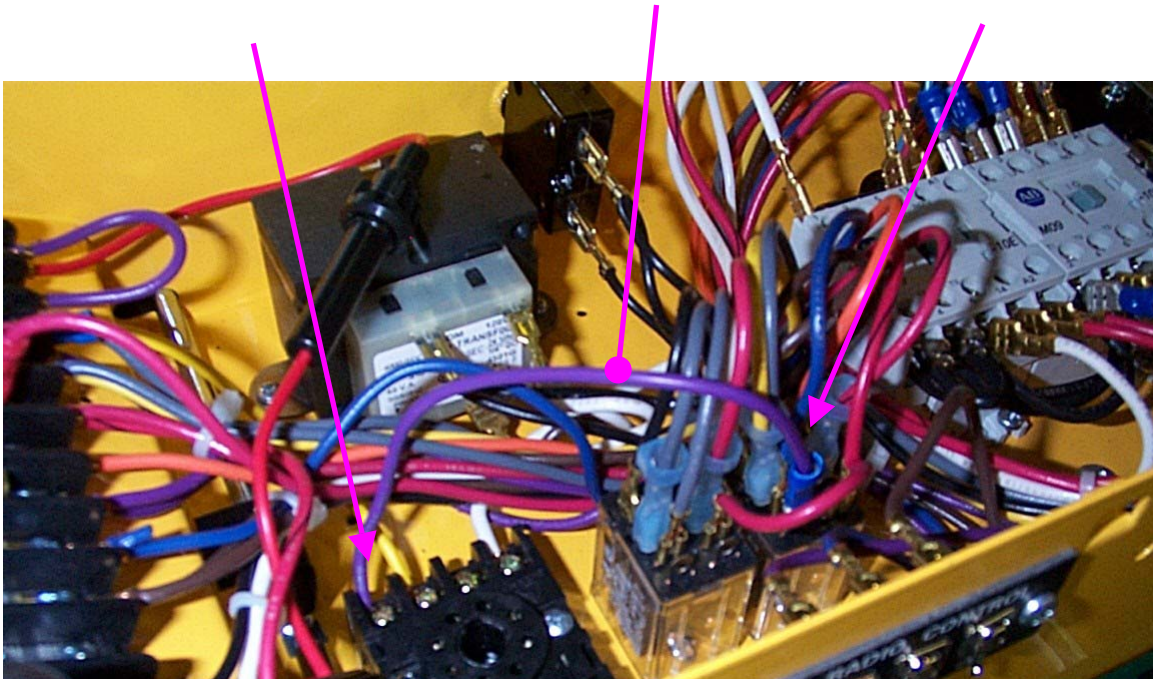


Connect the 5" Purple wire to terminal #2 of the Timer socket base and to the terminal #2 of the Reversing Relay.

**Timer base
Terminal #2**

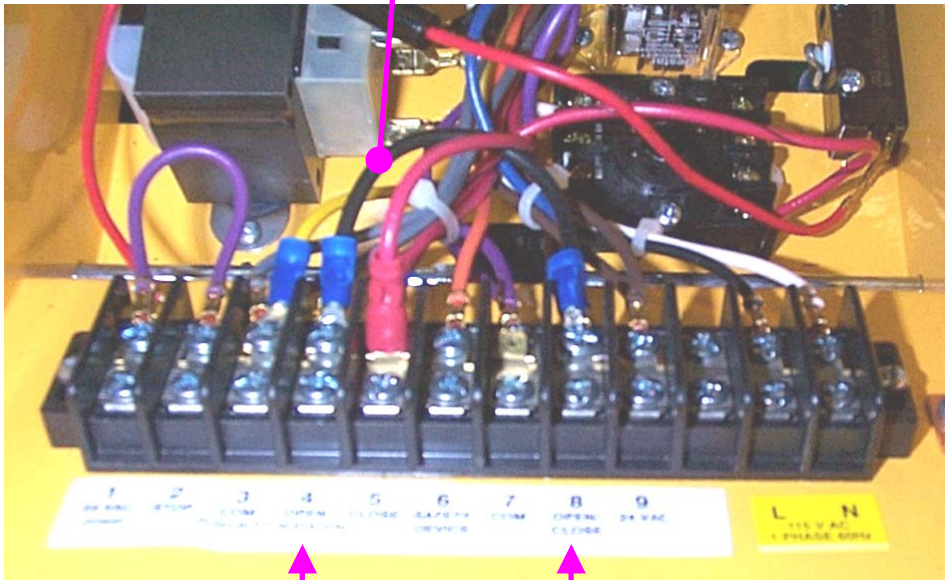
Purple wire

**Reversing Relay
Terminal #2**



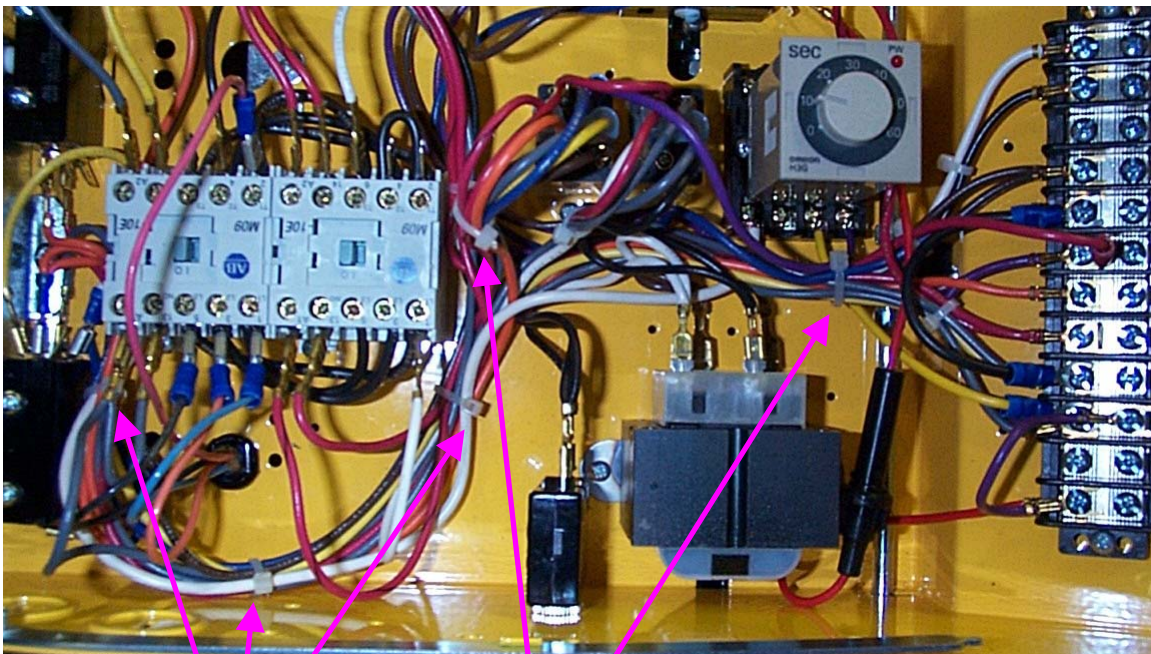
Connect the 4" Black wire to T-Strip #4 and #8 (jumper).

Black wire



Jump

**Connect the TIMER004 to the Timer socket base in the right way (aling the key in the key way).
Reinstall (5) ties as showed on the picture.**



(5) Ties

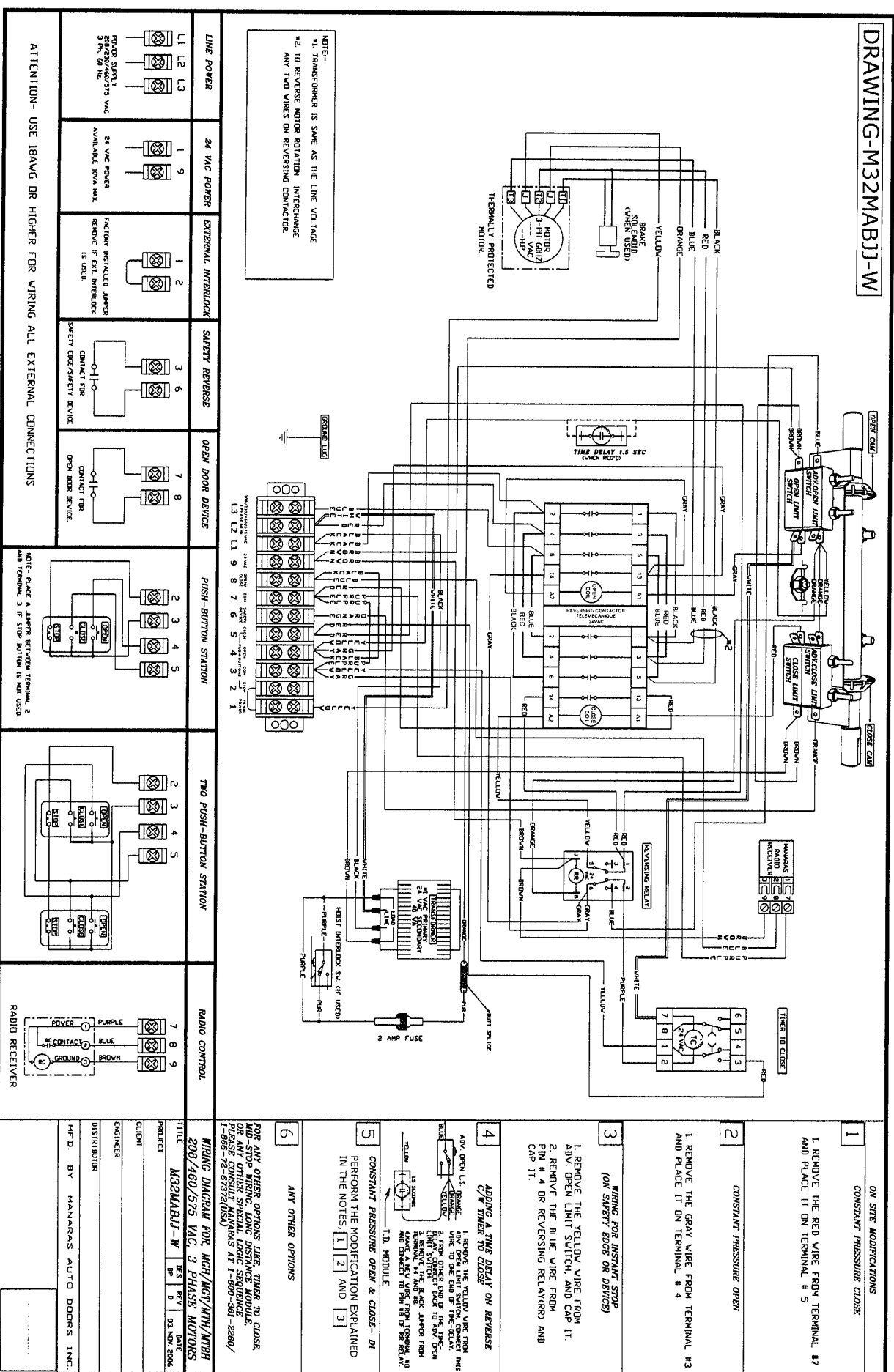
When the modification is finish, a complete electric test is necessary.

Before performing the test, see the Installation & Instruction Manual or called our technical support department.

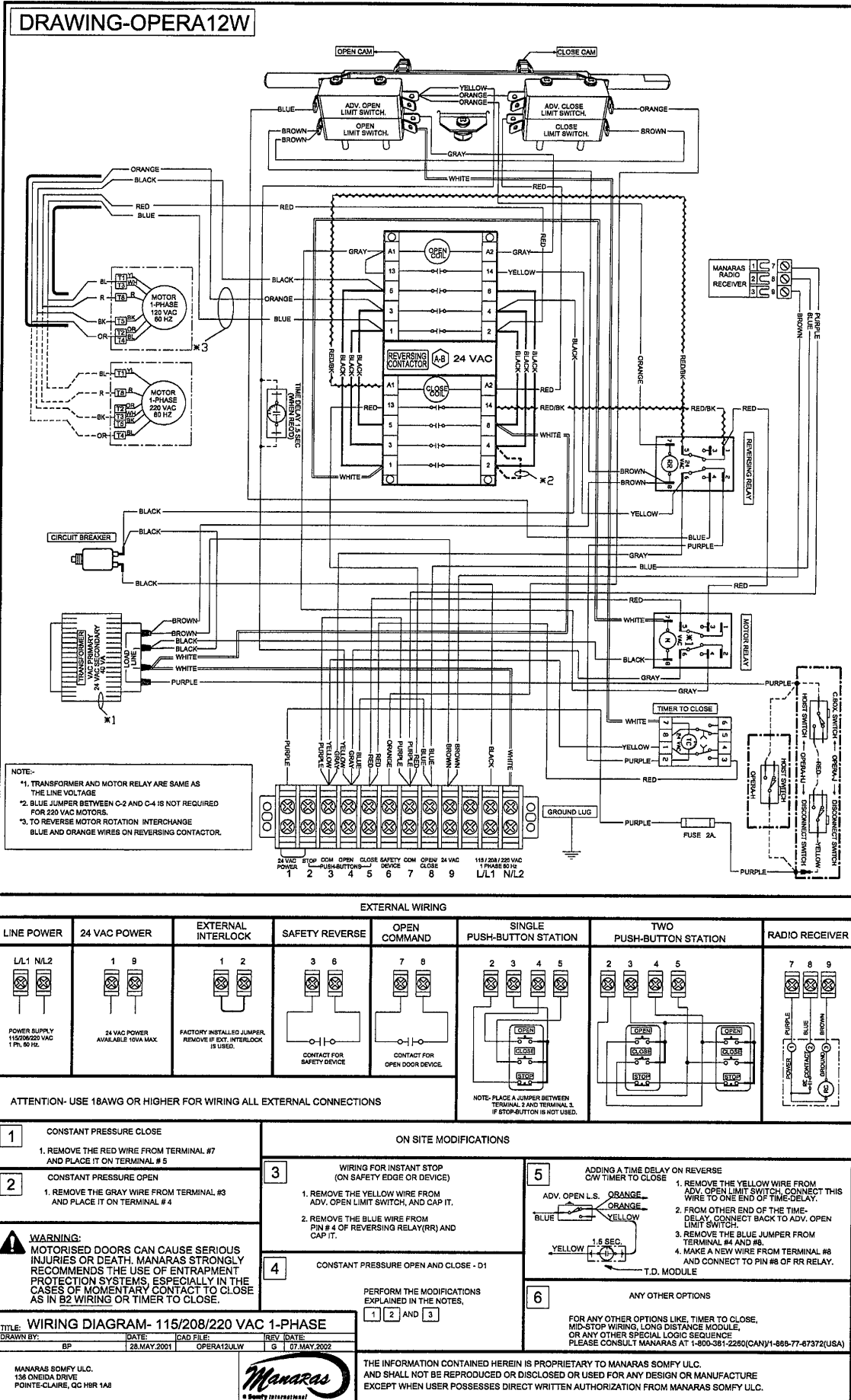
ELECTRIC TEST: USING EITHER WALL BUTTONS OR MAIN TERMINAL STRIP

| |
|--|
| A. Set the timer around 15 seconds. |
| B. Momentarily jump terminal 3 and 4. The door will <u>open</u> instantly. Allow it open completely. |
| C. Before the timer close the door (15 sec.), momentarily jump terminal 3 and 4 again. Nothing should happen. (It is a safety verification; it will also reset the timer) |
| D. Before the timer close the door (15 sec.), momentarily jump terminal 3 and 6. Nothing should happen. (It is a safety verification; it will also reset the timer) |
| E. The timer should close the door after the delay you set (15 sec.). The door will <u>close</u> automatically. While closing, go to step F. |
| F. Momentarily jump terminal 3 and 6. The door will reverse instantly to <u>open</u>. Allow it open completely. |
| G. The timer should close the door after the delay you set (15 sec.). The door will <u>close</u> automatically. While closing, go to step H. |
| H. Push the Radio Control button. The door will reverse instantly to <u>open</u>. Allow it open completely. |
| I. Push the Radio Control button. Nothing should happen. (It is a safety verification; it will also reset the timer) |
| J. The timer should close the door after the delay you set (preset time) The door will <u>close</u> automatically. Allow it close completely. |
| K. Momentarily jump terminal 3 and 6. Nothing should happen. (It is a safety verification) |
| L. Momentarily jump terminal 3 and 4. The door will <u>open</u> instantly. Allow it open at mid-course and go to step M. |
| M. Turn OFF the power. The door will stop. |

DRAWING-M32MABJJ-W

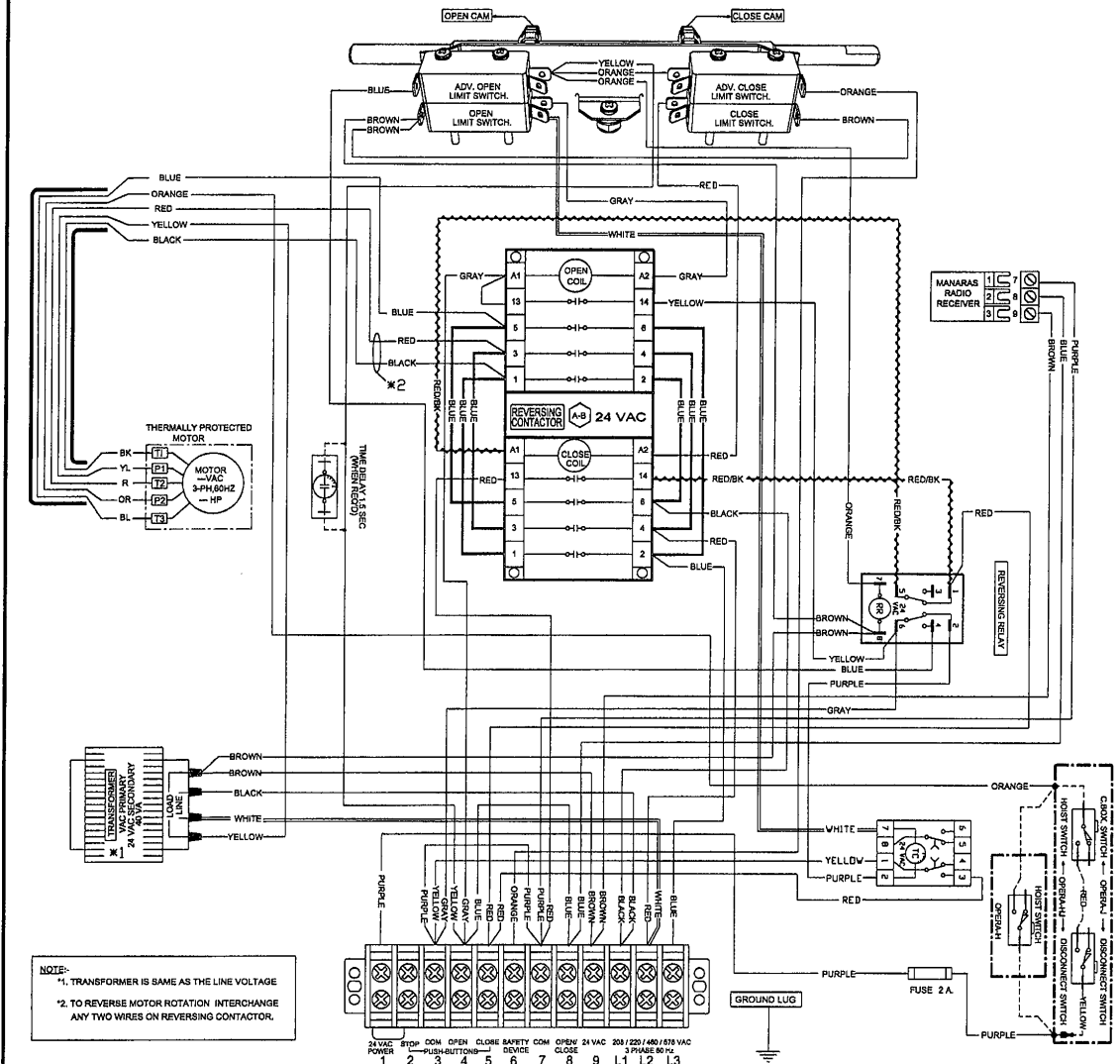


Opera series single-phase wiring diagram with Timer to Close

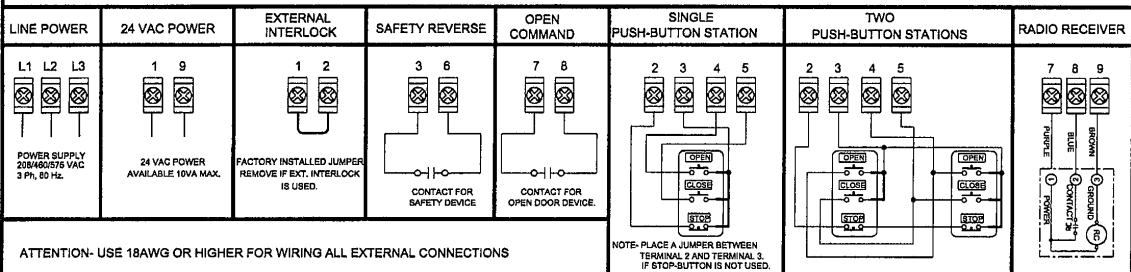


Opera series 3-phase wiring diagram with Timer to Close

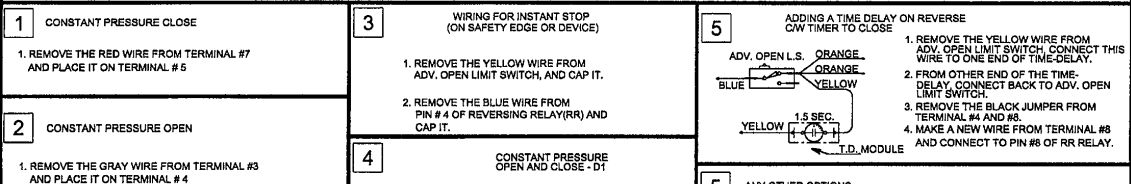
DRAWING-OPERA32JW



EXTERNAL WIRING



ON SITE MODIFICATIONS



TITLE: WIRING DIAGRAM- 208/460/575 VAC 3-PHASE

DRAWN BY: BP DATE: 02.FEB.2001 CAD FILE: OPERA32JW REV DATE: 07.MAY.2002

MANARAS SOMFY ULC.
136 ONEIDA DRIVE
POINTE-CLAIRE, QC H8R 1A8

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NOTES

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REPAIR PARTS***

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PLEASE SUPPLY THE
FOLLOWING INFORMATION:**

- ✓ PART NUMBER
- ✓ DESCRIPTION
- ✓ MODEL NUMBER