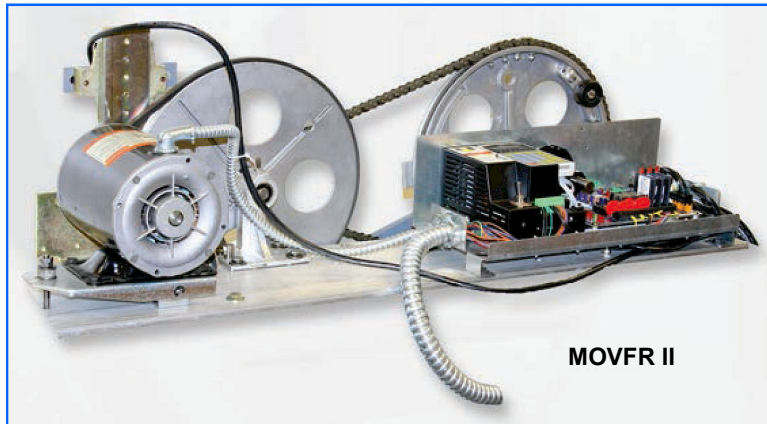


# GAL MOVFR II Door Operators – Same Day Shipping

The fastest, easiest, quietest, and most dependable door operators ever available from GAL - now in stock at Quality Elevator Products. Order before 1:00PM CST for same day shipping. Please call for details.



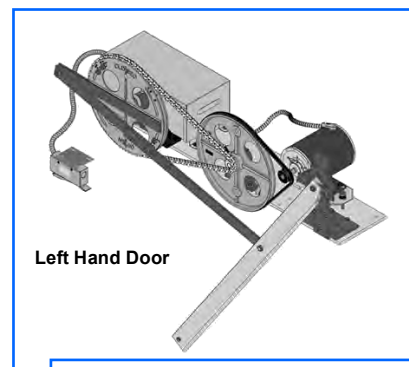
MOVFR II

## Features:

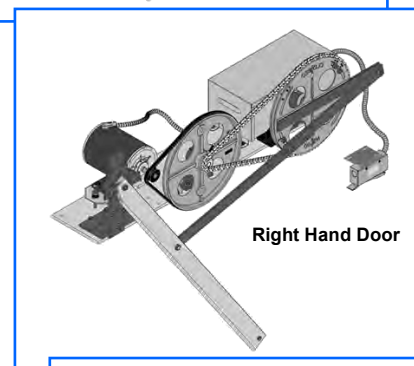
- **Door Control** with built-in **diagnostics**
- **Plug & Play Door Protection**
- **Regulated speed** via motor closed loop feedback
- **LED indication** of all inputs and outputs
- **Test Switches** for Open, Close, Nudging & Heavy Door
- **Inputs:** Door Open, Door Close and Nudging
- **Input Voltage:** universal, 24-300 VAC or VDC
- **Motor:** Heavy Duty, 3-phase, 1/2 HP
- **Non-Contact** optical couplers
- **Supply circuit:** 110/230VAC, 1-phase, 500VA min.

## 13" Header Height - Single Speed - Two Speed - 220VAC

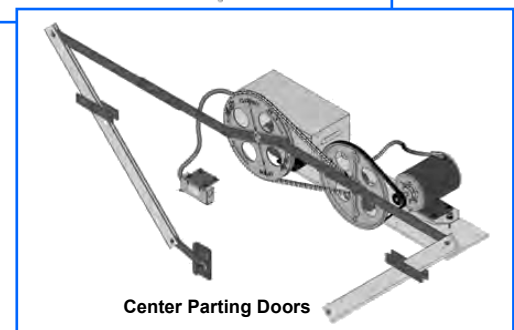
| Door Operator Assembly |            | Door Style & Opening |              |           |
|------------------------|------------|----------------------|--------------|-----------|
| Model                  | OEM #      | Door Hand            | Single Speed | Two Speed |
| DO-MOVFR02L            | OP99-0002L | Left                 | 25"- 29"     |           |
| DO-MOVFR02R            | OP99-0002R | Right                |              |           |
| DO-MOVFR03L            | OP99-0003L | Left                 | 30"- 34"     | 30"- 34"  |
| DO-MOVFR03R            | OP99-0003R | Right                |              |           |
| DO-MOVFR04L            | OP99-0004L | Left                 | 35"- 39"     | 35"- 39"  |
| DO-MOVFR04R            | OP99-0004R | Right                |              |           |
| DO-MOVFR05L            | OP99-0005L | Left                 | 40"- 44"     | 40"- 44"  |
| DO-MOVFR05R            | OP99-0005R | Right                |              |           |
| DO-MOVFR06L            | OP99-0006L | Left                 | 45"- 48"     | 45"- 48"  |
| DO-MOVFR06R            | OP99-0006R | Right                |              |           |



Left Hand Door



Right Hand Door



Center Parting Doors

## 15" Header Height - Single Speed - Center Parting - 220VAC

| Door Operator Assembly |             | Door Style & Opening        |
|------------------------|-------------|-----------------------------|
| Model                  | OEM #       | Single Speed Center Parting |
| DO-MOVFR-3N1           | OP100-0001N | 30"- 33"                    |
| DO-MOVFR-3N2           | OP100-0002N | 34"- 39"                    |
| DO-MOVFR-3N3           | OP100-0003N | 40"- 49"                    |

MOVFR II door operator includes:

- Door drive arm(s)
- Mounting hardware OEM# OP2-0050N

Optional:

- Gate switch w/ hardware Model DOSW-0044N
- U5 IC chip Model DO-ECHIP, OEM# DPPC-0001N

U5 enabling IC chip simplifies the door operator reopening circuits for Formula Systems, Scanguard, and Tri-Tronics infrared light curtain detectors.

Refer to wiring diagram 8032 for connections (see next page)

**QUALITY ELEVATOR PRODUCTS, INC.**

GD0020420EP

# INSTRUCTIONS FOR THE G.A.L. PARAMETER UNIT

CAUTION: To Transfer data from one Drive to another, user must READ (COPY) from the first Drive.

**HOW TO READ (COPY) FROM THE DRIVE:** Press SET, Press Up Arrow, Press READ, Wait for the Completed Signal from the Display.

**HOW TO WRITE (DOWNLOAD) TO THE DRIVE:** Press SET, Press Up Arrow, Press WRITE, Wait for the Completed Signal from the Display.

**HOW TO CHANGE PARAMETERS:** Press SET, Enter Par. number, Press READ, Enter a new Value, Press WRITE, Wait for the Completed Signal from the Display.

200/230 VAC IF 230VAC DRIVE IS USED & 500 VA MIN.  
100/115 VAC IF 115VAC DRIVE IS USED & 500 VA MIN.



| CLOSING           | PARAMETER# |      | RANGE | DEFAULT VALUE |          |          |          |            |          |          |          |     |     |     |     |     |     |     |
|-------------------|------------|------|-------|---------------|----------|----------|----------|------------|----------|----------|----------|-----|-----|-----|-----|-----|-----|-----|
|                   | REG.       | HVY. |       | STANDARD      |          |          |          | WATERPROOF |          |          |          |     |     |     |     |     |     |     |
|                   |            |      |       | C/P           | S/O      | C/P      | S/O      | C/P        | S/O      | C/P      | S/O      |     |     |     |     |     |     |     |
|                   |            |      |       | REG.HVY.      | REG.HVY. | REG.HVY. | REG.HVY. | REG.HVY.   | REG.HVY. | REG.HVY. | REG.HVY. |     |     |     |     |     |     |     |
| MAX. CLOSE SPEED  | 0          | 0    | 0-30  | 30            | 30       | 30       | 30       | 30         | 30       | 30       | 30       | 30  | 30  | 30  | 30  | 30  | 30  | 30  |
| HOLDING TORQUE    | 1          | 11   | 0-30  | 3             | 3        | 3        | 3        | 3          | 3        | 3        | 3        | 3   | 3   | 3   | 3   | 3   | 3   | 3   |
| HOLDING SPEED     | 2          | 12   | 0-400 | 2             | 2        | 2        | 2        | 1.5        | 1.5      | 1.5      | 1.5      | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| CLOSE TORQUE      | 3          | 13   | 0-400 | 225           | 225      | 173      | 173      | 173        | 173      | 135      | 135      | 135 | 135 | 135 | 135 | 135 | 135 | 135 |
| HIGH SPEED HSC    | 4          | 14   | 0-400 | 23            | 12       | 19       | 10       | 14         | 7        | 12       | 6        | 12  | 6   | 12  | 6   | 12  | 6   | 12  |
| FINAL SPEED FSC   | 5          | 15   | 0-400 | 4             | 4        | 5        | 5        | 3          | 3        | 4        | 4        | 4   | 4   | 4   | 4   | 4   | 4   | 4   |
| NUDGING SPD       | 6          | 16   | 0-400 | 8             | 8        | 9        | 9        | 5          | 5        | 6        | 6        | 6   | 6   | 6   | 6   | 6   | 6   | 6   |
| ACCELERATION TIME | 7          | 17   | 0-320 | 9             | 9        | 6        | 6        | 7          | 7        | 10       | 10       | 10  | 10  | 10  | 10  | 10  | 10  | 10  |
| DECELERATION TIME | 8          | 18   | 0-320 | 6             | 6        | 10       | 10       | 17         | 17       | 25       | 25       | 25  | 25  | 25  | 25  | 25  | 25  | 25  |
| STALL REV. FORCE  | 9          | 19   | 0-2   | 1.6           | 1.6      | 1.6      | 1.6      | 1.6        | 1.6      | 1.6      | 1.6      | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| OVERLOAD          | 99         | 99   | 0-5   | 3             | 3        | 3        | 3        | 3          | 3        | 3        | 3        | 3   | 3   | 3   | 3   | 3   | 3   | 3   |

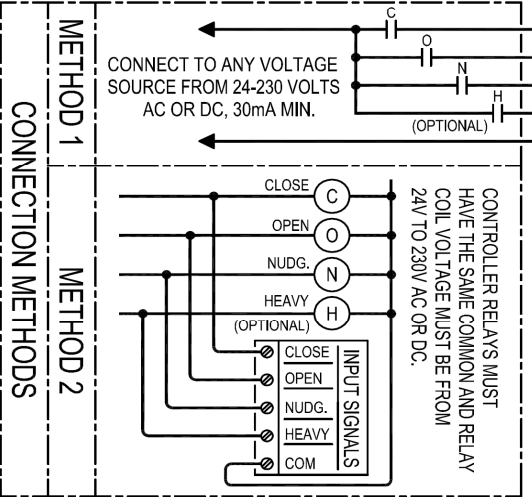
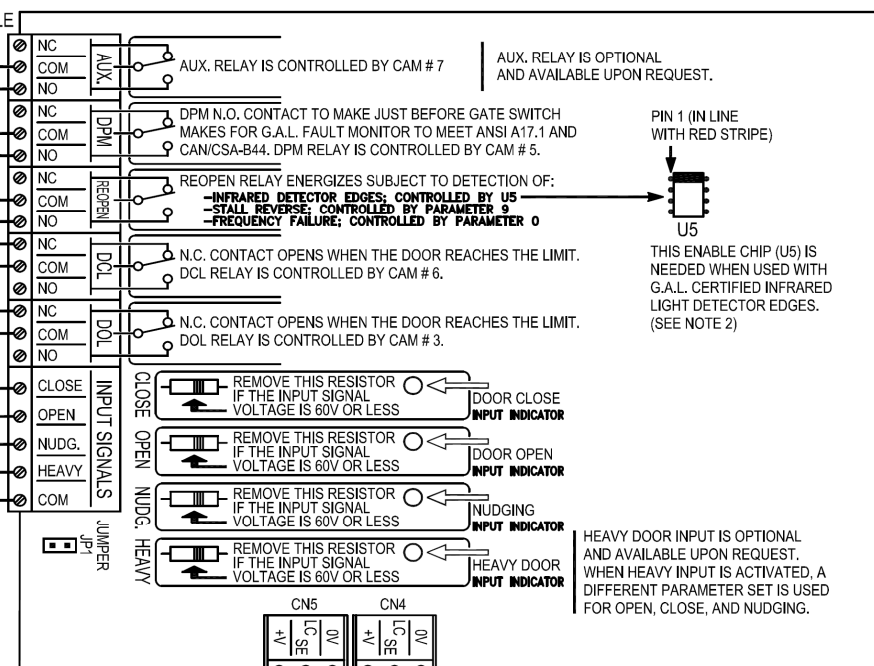
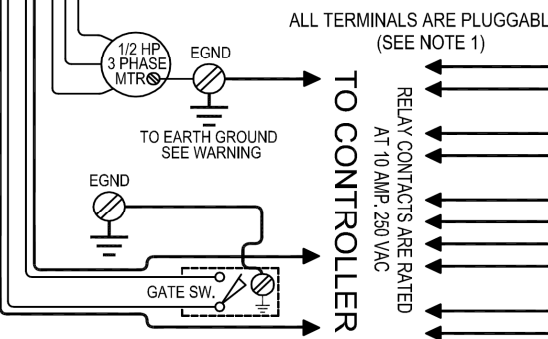
  

| OPENING            | PARAMETER# |      | RANGE | DEFAULT VALUE |          |          |          |            |          |          |          |     |     |     |     |     |     |     |     |
|--------------------|------------|------|-------|---------------|----------|----------|----------|------------|----------|----------|----------|-----|-----|-----|-----|-----|-----|-----|-----|
|                    | REG.       | HVY. |       | STANDARD      |          |          |          | WATERPROOF |          |          |          |     |     |     |     |     |     |     |     |
|                    |            |      |       | C/P           | S/O      | C/P      | S/O      | C/P        | S/O      | C/P      | S/O      |     |     |     |     |     |     |     |     |
|                    |            |      |       | REG.HVY.      | REG.HVY. | REG.HVY. | REG.HVY. | REG.HVY.   | REG.HVY. | REG.HVY. | REG.HVY. |     |     |     |     |     |     |     |     |
| QUICK STOP ON REV. | 21         | 31   | 0-6   | 0.8           | 1.0      | 1.4      | 1.6      | 0.8        | 1.0      | 1.4      | 1.6      | 0.8 | 1.0 | 1.4 | 1.6 | 0.8 | 1.0 | 1.4 | 1.6 |
| SLOW START SSO     | 22         | 32   | 0-400 | 5             | 5        | 5        | 5        | 5          | 5        | 5        | 5        | 5   | 5   | 5   | 5   | 5   | 5   | 5   | 5   |
| HIGH SPEED HSO     | 23         | 33   | 0-400 | 31            | 16       | 45       | 23       | 24         | 12       | 35       | 18       | 31  | 16  | 45  | 23  | 24  | 12  | 35  | 18  |
| MEDIUM SPEED MSO   | 24         | 34   | 0-400 | 14            | 14       | 20       | 20       | 10         | 10       | 15       | 15       | 14  | 14  | 20  | 20  | 10  | 10  | 15  | 15  |
| FINAL SPEED FSO    | 25         | 35   | 0-400 | 3             | 3        | 5        | 5        | 2          | 2        | 3        | 3        | 3   | 3   | 5   | 5   | 2   | 2   | 3   | 3   |
| ACCELERATION TIME  | 26         | 36   | 0-320 | 6             | 6        | 4        | 4        | 6          | 6        | 6        | 6        | 6   | 6   | 4   | 4   | 6   | 6   | 6   | 6   |
| DECELERATION TIME  | 27         | 37   | 0-320 | 6             | 6        | 10       | 10       | 9          | 9        | 10       | 10       | 6   | 6   | 10  | 10  | 9   | 9   | 10  | 10  |
| SLOW SPD TORQUE    | 28         | 38   | 0-30  | 4             | 4        | 4        | 4        | 4          | 4        | 4        | 4        | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   |
| OPEN TORQUE        | 29         | 39   | 0-400 | 120           | 100      | 120      | 100      | 100        | 80       | 100      | 80       | 120 | 100 | 120 | 100 | 100 | 80  | 100 | 80  |

| OPENING AND CLOSING | PARAMETER# | RANGE | DEFAULT VALUE |     |            |     |
|---------------------|------------|-------|---------------|-----|------------|-----|
|                     |            |       | STANDARD      |     | WATERPROOF |     |
|                     |            |       | C/P           | S/O | C/P        | S/O |
| CARRIER FREQUENCY   | 51         | 2-15  | 10            | 10  | 10         | 10  |

CONNECT TO GAL PARAMETER UNIT  
C/P = CENTER PARTING DOOR | REG. = REGULAR DOOR  
S/O = SIDE OPENING DOOR | HVY. = HEAVY DOOR  
■ TO LOWER TORQUE, INCREASE TORQUE PARAMETER VALUE



SUITABLE FOR USE ON A CIRCUIT CAPABLE OF DELIVERING NOT MORE THAN 5000 RMS SYMMETRICAL AMPERES 230 VOLTS MAXIMUM

DRIVE OVERLOAD FACTORY SET AT 2.5 A

NOTES:  
1-HEAVY LINES REPRESENT CONNECTIONS FROM ELEVATOR CONTROLLER TO DOOR OPERATOR PC BOARD.  
2-MAKE SURE THAT THE ENABLE CHIP U5 IS INSERTED INTO THE SOCKET AS SHOWN.

**WARNING:**  
ALL EQUIPMENT MUST BE INSTALLED AND ADJUSTED TO MEET FEDERAL, STATE, AND LOCAL CODES. TO PREVENT AN ELECTRICAL SHOCK, THE FLEXIBLE METALLIC CONDUIT MUST BE FASTENED FIRMLY TO THE MOTOR AND THE CONTROL BOX. THE CONTROL BOX MUST BE GROUNDED.

| TYPE | MFG.            | TX (CN5) |           |           | RX (CN4) |           |           | CONNECTION BETWEEN TX & RX |
|------|-----------------|----------|-----------|-----------|----------|-----------|-----------|----------------------------|
|      |                 | +V       | LC SE     | 0V        | +V       | LC SE     | 0V        |                            |
| DPFS | FORMULA SYSTEMS | BLU 1    | BRN 2     | GRN & YEL | BLU 1    | BRN 2     | GRN & YEL | NONE                       |
|      |                 | BRN      | GRN & YEL | BLU       | BRN      | GRN & YEL | BLU       |                            |
| DPJE | JANUS           | RED      | BLU       | ORG       |          |           | ORG       | TX - WHT TO RX - WHT       |
| DPTT | TRI TRONICS     | RED      | WHT       | BLK       |          |           |           | NONE                       |