Opener installation

Ditec openers (2 - 4 panel doors)

Step 1:
Install the door panels and rails the same way as instructed in **"2 - 6 panel manual door installation" (pages 6 - 16).**

Notice that doors with openers don't have the manual locking mechanisms.

Step 2:
Once the door is installed mount the slider bracket on the middle panel by using 13mm bolts and nuts provided and place them through the pre-drilled holes on the top of the middle panel. Then add two 10mm self-drilling screws on to the inner holes of the bracket.

Step 3:
Insert the swing arm on to the opener end and tighten 13mm bolt in the end to secure the arm to the opener. Then place the other end into the slider bracket by using 17mm bolt and spacer provided. Make sure to insert the spacer in the slider to ensure free moving for the bolt. lubricate all moving parts.

Step 4:
Insert pull string on to the opener for manual use for the openers

Step 5:
Repeat steps 2 - 4 to the other side

Step 6:
Mount the control panel to the desired location (about 6ft from the floor). Make sure that the box is secured properly to the wall. Mount operating buttons under neath the panel or somewhere close to the panel (about 4 ft from the floor).

Step 7:
Mount the photo eyes on to the opposite side versus the door mounting. (Inswing doors photo eyes are outside and outswing doors photo eyes are inside). Measure 500mm (20") from the floor and have the bottom of the photo eye at this height. Mount eyes flush with the door jambs. Have the sending unit on the side closer to the panel (sending unit has 4 wires and receiving has 2 wires).

Step 8:
Start wiring the photo eyes and openers from the far side versus the control panel (check wire diagram for wire sizes). Run wires along the side of the door about 7" away from the door. Leave a small loop on the wires in both top corners where the wires travels from the door panel to the wall (ensure that door can open freely with the wires). Wires going to the photo eyes travel through the wall for inswing doors. Use wire channel or conduit for all runs. Run wires above the door and bring them all to the panel**. (Refer to the Wiring diagram (pages?) for terminating wires to the control panel.**

Step 9:
Program the control panel **(refer to Programming guide (pages?)** and make sure that the door works properly. Make adjustments if needed.

Gate opener (2 - 4 panel doors)

Step 1:
Install the door panels and rails the same way as instructed in **"2 - 6 panel manual door installation" (pages 6 - 16).**

Notice that doors with openers don't have the manual locking mechanisms.

Step 2:
Once the door is installed mount the opener bracket to the wall 30mm (1 3/16") away from the edge of the door (height for the bracket might vary between different doors but try mounting it as high as possible from the floor). Then unscrew the covers from the opener and install the gate opener on to the bracket by using the fasteners provided. Then mount the door side opener bracket so that there is 60mm (2 1/4") thread visible after the bracket going towards to the middle of the door. Mount bracket on the panel by using carriage bolts (5/16")(not provided) and drill bolts through the panel and use the square plate on the other side of the door as a backing for the bracket.

Step 3:
Set the openers to the "manual use" by turning the key on the shaft 180 degree and mount the roller arm on to the top corner of the middle panel. The purpose of these arms is that they will ensure that the middle panel starts moving when the opener starts closing the door. Open the door in open position and mount the roller to the top of the panel so that it is slightly touching the rail. Once you have the correct spot for the arm. Secure the arm with 13mm bolts and nuts provided. Add two 10mm self-drilling screws onto the inner holes of the arm.

Step 3:
Repeat steps 2 - 3 for the other side.

Step 4:
Mount the control panel to the desired location (about 6ft from the floor). Make sure that the box is secured properly to the wall. Mount operating buttons underneath the panel or somewhere close to the panel (about 4 ft from the floor).

Step 5:
Mount the photo eyes on to the opposite side versus the door mounting. (Inswing doors photo eyes are outside and outswing doors photo eyes are inside). Measure 500mm (20") from the floor and have the bottom of the photo eye at this height. Mount eyes flush with the door jambs. Have the sending unit on the side closer to the panel (sending unit has 4 wires and receiving has 2 wires).

Step 6:
Start wiring the photo eyes and openers from the far side versus the control panel (check wire diagram for wire sizes). Run wires along the side of the door about 7" away from the door. Leave a small loop on the wires before going inside the opener. Wires going to the photo eyes travel through the wall for inswing doors. Use wire channel or conduit for all runs. Run wires above the door and bring them all to the panel**. (Refer to the Wiring diagram (pages 32 - 34) for terminating wires to the control panel.**

Step 7:
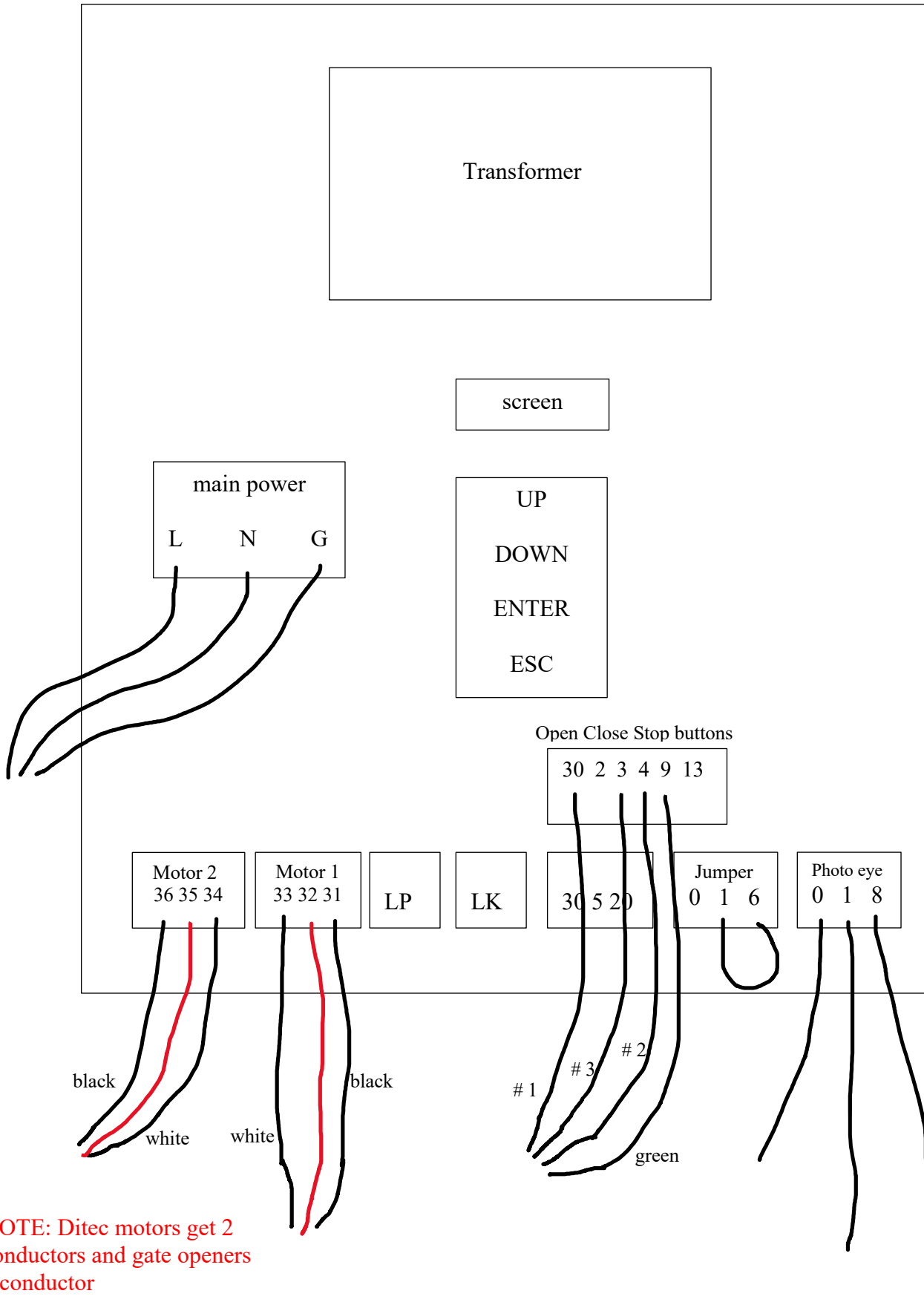Program the control panel **(refer to Programming guide (pages 35 - 38)**

Step 8:
Set the limit switches on the opener by moving the magnetic sensors on the shaft further away from each other until the door opens and closes all the way.

Step 9:
Ensure that the door works properly and make adjustments if needed.

CONTROL PANEL WIRING DIAGRAM

Transformer

screen

main power

L   N   G

UP

DOWN

ENTER

ESC

Open Close Stop buttons

30 2 3 4 9 13

Motor 2	Motor 1	LP	LK		Jumper	Photo eye
36 35 34	33 32 31			30 5 20	0 1 6	0 1 8

black

white   white   black

1   # 3   # 2

green

NOTE: Ditec motors get 2
conductors and gate openers
3 conductor

32

PHOTO EYES WIRING DIAGRAM

Sending Eye

Receiving Eye

0   1   1   8

0   1

0   1   8

Connector in control panel
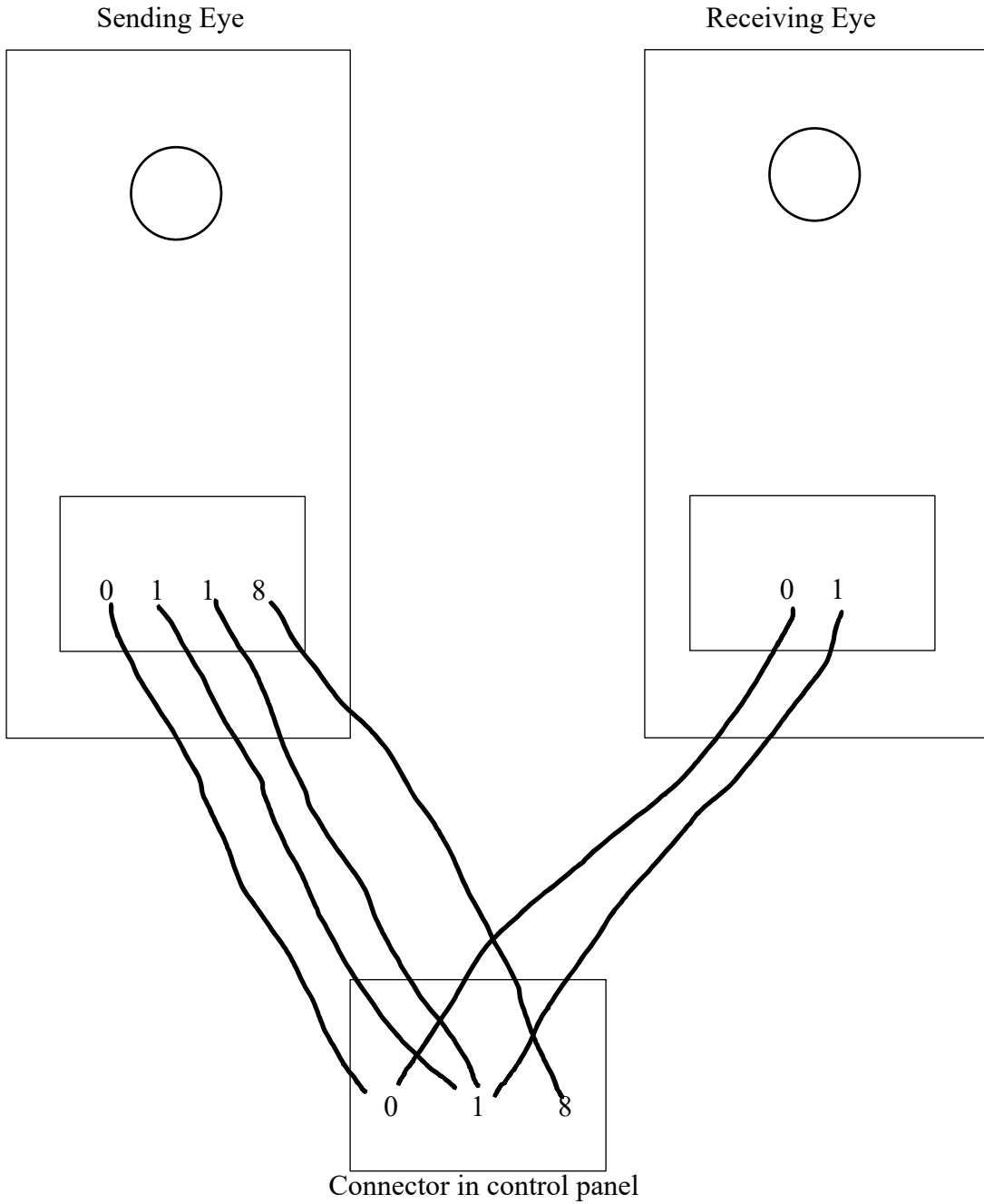
OPEN – CLOSE – STOP BUTTONS WIRING DIAGRAM
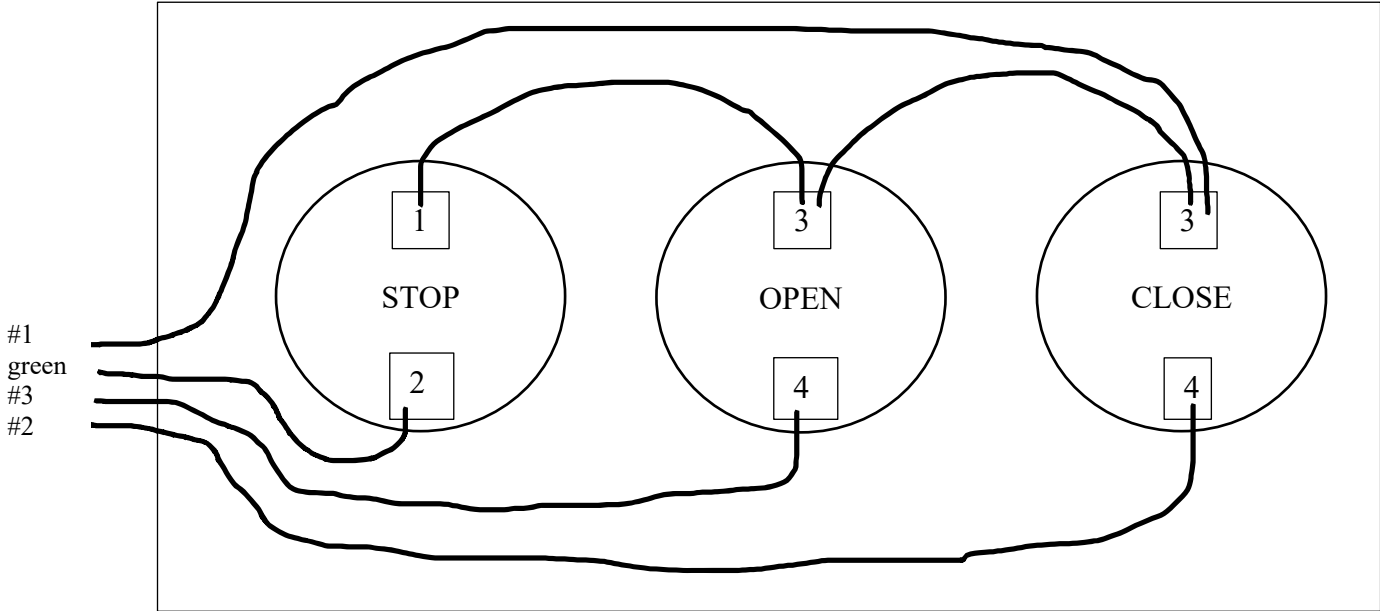
WIRE SIZES

Ditec opener 2/16 AWG
Gate opener 3/16 AWG

Sending photo eye 4/18 AWG
Receiving photo eye 2/18 AWG

Main power cord for the panel 3/16 AWG

Findoor programming guide

Ditec motors   **(motor type is 06)**

AT → AS → 06	select motor type
AP → FA → NO	selection of opening limit switch mode
AP → FC → NO	selection of closing limit switch mode
AP → DO → 7	duration of disengagement on stop during opening
AP → DC → 7	duration of disengagement on stop during closure
BA → VA → 20	opening speed
BA → VC → 20	closing speed
BA → R1 → 99	motor 1 thrust
BA → R2 → 99	motor 2 thrust
BA → TR → 03	motor delay time
AT → AA	press enter to activate advanced options
BA → DT → 40	obstacle recognition time adjustment
BA → ST → 2.0	start-up time adjustment
BA → TA → 1.0	adjustment of acceleration time on opening
BA → TQ → 5.0	adjustment of acceleration time on closure
BA → VM → 08	initial movement speed
BA → TD → 50	adjustment of deceleration time
BA → OB → 08	deceleration time on opening
BA → CB → 04	deceleration distance on closing
BA → PO → 06	adjustment of approach speed during opening
BA → PC → 06	adjustment of approach speed during closure
BA → OO → 99	obstacle detection limit during opening
BA → OC → 99	obstacle detection limit during closure
BA → M1 → 10	operation time – motor 1
BA → M2 → 10	operation time – motor 2

Optional settings

BC → AC → 1-2 if automatic closing time disabled

> (**USE THIS WITHOUT SPECIAL REQUEST**)

> → ON if automatic closing time enabled (if ON select time BA → TC → time)

Remote programming: remote button → enter → remote button (programming done when flashing stops)

Gate opener (motor type is 17)

AT → AS → 17	select motor type
AP → FA → SX	selection of opening limit switch mode
AP → FC → SX	selection of closing limit switch mode
BA → VA → 20	opening speed
BA → VC → 20	closing speed
BA → R1 → 99	motor 1 thrust
BA → R2 → 99	motor 2 thurst
BA → TR → 03	motor delay time
AT → AA	press enter to activate advanced options
BA → DT → 40	obstacle recognition time adjustment
BA → ST → 2.0	start-up time adjustment
BA → TA → 1.0	adjustment of acceleration time on opening
BA → TQ → 5.0	adjustment of acceleration time on closure
BA → VM → 08	initial movement speed
BA → TD → 50	adjustment of deceleration time
BA → OB → 04	deceleration time on opening
BA → CB → 02	deceleration distance on closing
BA → PO → 06	adjustment of approach speed during opening
BA → PC → 06	adjustment of approach speed during closure
BA → OO → 99	obstacle detection limit during opening
BA → OC → 99	obstacle detection limit during closure
BA → M1 → 10	operation time – motor 1
BA → M2 → 10	operation time – motor 2

Optional settings

BC → AC → 1-2 if automatic closing time disabled (**USE THIS WITHOUT SPECIAL REQUEST**)

→ ON if automatic closing time enabled (if ON select time BC → TC → time)

Remote programming: remote button → enter → remote button (programming done when flashing stops)