Q-SYS SOUND SYSTEM CONNECTIONS

MarkEatonLLC © 2026

Blamk Page

Q-SYS QIO-GP8x8 (or GPOI on the Core)

GPIO INPUTS

12V DC .1A OUT | 0-24V DC ANALOG OR CLOSURE | 1 2 3 4 5 6 7 8
OC WITH +3.3V PULL UP (24V, 0.2A MAX)

LAN [THRU] | 24 VDC / 2.5A | + OUT | POWER | + IN

GPIO OUTPUTS

LAN [POE] | 24 VDC / 2.5A
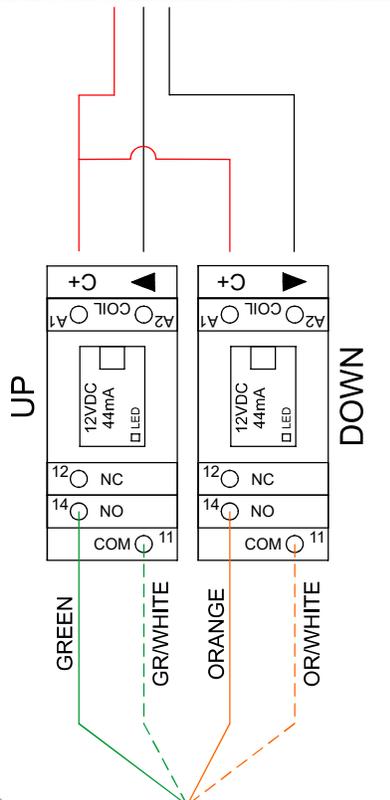
THE GP8X8 IS A SINKING OUTPUT. IT CONTROLS THE NEGATIVE LINE OF A LOAD (AKA LIFT RELAY).

THE TOTAL CURRENT LIMIT OF EACH PIN ON THE GP8X8 IS 0.2A (200 mA) AT 12V DC.

EACH UP/DOWN RELAY ONLY CONSUMES 44mA (88mA TOTAL IF BOTH UP & DOWN BUTTONS WERE PUSHED SIMULTANEOUSLY).

CONFIGURE PIN-1 & PIN-2 AS OPEN COLLECTOR (200mA) CONTACTS IN THE QSYS DESIGNER SOFTWARE.

PRESSING UP & DOWN SIMULTANEOUSLY WILL NOT CAUSE ANY ISSUES. THE LIFT WILL ONLY OPERATE WHEN ONE RELAY IS ACTIVATED.
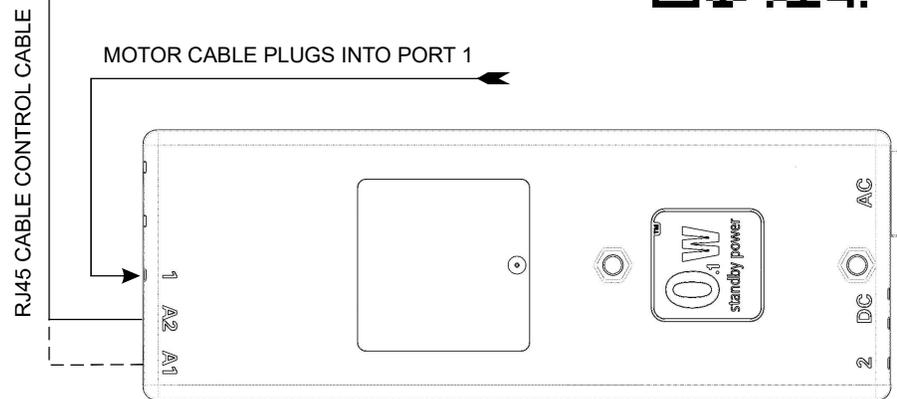
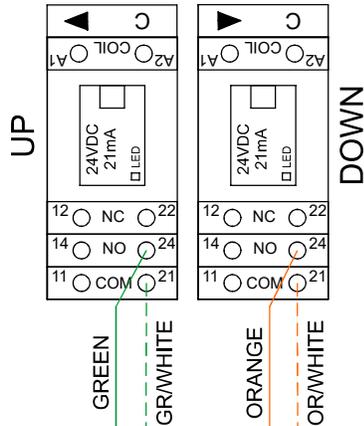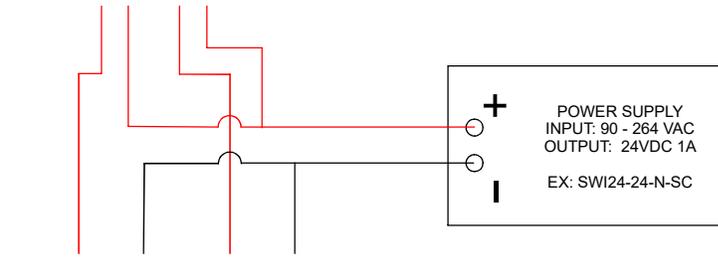SCAN THE QR CODE TO WATCH THE VIDEO >>>

MARKEATONLLC.COM

UP — C+ / A2 COIL A1 / 12VDC 44mA / LED / 12 NC / 14 NO / COM 11

DOWN — C+ / A2 COIL A1 / 12VDC 44mA / LED / 12 NC / 14 NO / COM 11

GREEN | GR/WHITE | ORANGE | OR/WHITE

RJ45 CABLE CONTROL CABLE

MOTOR CABLE PLUGS INTO PORT 1

1 | A2 | A1

W 0 1 standby power | AC | DC | 2

CONNECT RJ45 CABLE TO A1 OR A2 OF LIFT CONTROL BOX.

THESE PORTS ARE <u>NOT</u> POE PORTS.

LIFT CONTROL BOX

Q-SYS QIO-LVR4

RELAY OUTPUTS

1	2	3	4
NO C NC	NO C NC	NO C NC	NO C NC

LAN [THRU]

24V DC/2.5A

+ OUT ↓
POWER
+ IN ↓

LAN [POE]

24V DC/2.5A

POWER SUPPLY
INPUT: 90 - 264 VAC
OUTPUT: 24VDC 1A

EX: SWI24-24-N-SC

UP

A1 COIL A2

24VDC
21mA
☐ LED

12 ○ NC ○ 22
14 ○ NO ○ 24
11 ○ COM ○ 21

GREEN   GR/WHITE

DOWN

A1 COIL A2

24VDC
21mA
☐ LED

12 ○ NC ○ 22
14 ○ NO ○ 24
11 ○ COM ○ 21

ORANGE   OR/WHITE

USING THE LVR4 WILL MAKE THE
WIRING MORE TRADITIONAL. THIS
IS A SOURCING CONFIGURATION.

EACH OUTPUT OF THE LVR4 WILL
HANDLE 24VDC 2A.

PRESSING UP & DOWN SIMULTANEOUSLY
WILL NOT CAUSE ANY ISSUES. THE LIFT
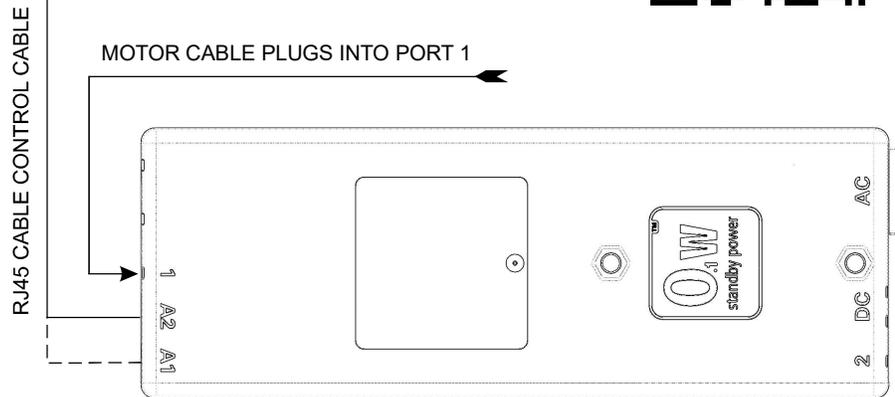WILL ONLY OPERATE WHEN ONLY ONE
RELAY IS ACTIVATED.

SCAN THE QR CODE TO
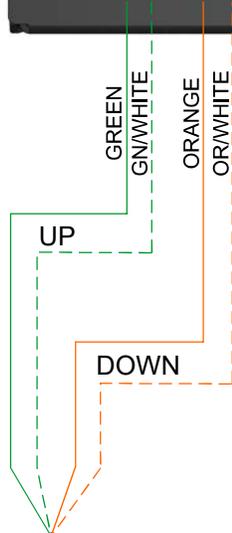WATCH THE VIDEO >>>

MARKEATONLLC.COM

Weidmüller
SDI 2CO
7760056351

RJ45 CABLE CONTROL CABLE

MOTOR CABLE PLUGS INTO PORT 1

1

A2

A1

W
O standby power

AC

DC

2

CONNECT RJ45
CABLE TO A1 OR A2
OF LIFT CONTROL BOX.

THESE PORTS ARE NOT POE PORTS.

LIFT CONTROL BOX

2

Q-SYS QIO-LVR4 (No Power Supply)

RELAY OUTPUTS

1	2	3	4
NO C NC	NO C NC	NO C NC	NO C NC

LAN [THRU]

LAN [POE]

24V DC / 2.5A

+ OUT ↓
POWER
+ IN ↓

24V DC / 2.5A

GREEN
GN/WHITE
ORANGE
OR/WHITE

UP

DOWN

RJ45 CABLE CONTROL CABLE

THIS IS CONFIGURATION CAN ELIMINATE THE NEED FOR CONTROL RELAYS WITH THE QSYS QIO-LVR4..

NO POWER SUPPLY IS NECESSARY. THE LVR4 WILL NEED TO BE LOCATED IN THE PULPIT CABINET WITH THE LIFT CONTROL BOX.

PRESSING UP & DOWN SIMULTANEOUSLY WILL NOT CAUSE ANY ISSUES. THE LIFT WILL ONLY OPERATE WHEN ONLY ONE RELAY IS ACTIVATED.
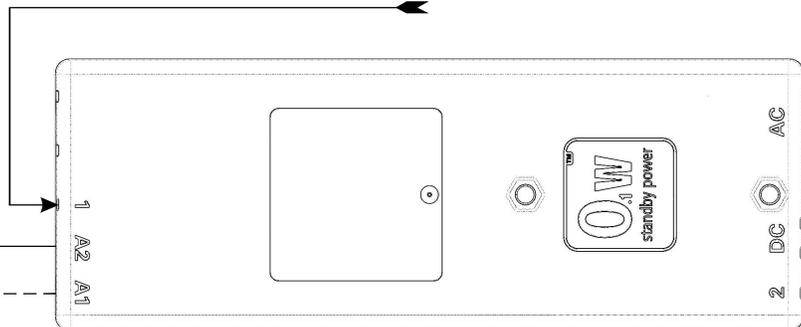
SCAN THE QR CODE TO WATCH THE VIDEO >>>

MARKEATONLLC.COM

MOTOR CABLE PLUGS INTO PORT 1

1
A2
A2 A1

W
O⏻1
standby power

AC
DC
2

LIFT CONTROL BOX

CONNECT RJ45 CABLE TO A1 OR A2 OF LIFT CONTROL BOX.

THESE PORTS ARE NOT POE PORTS.

3