

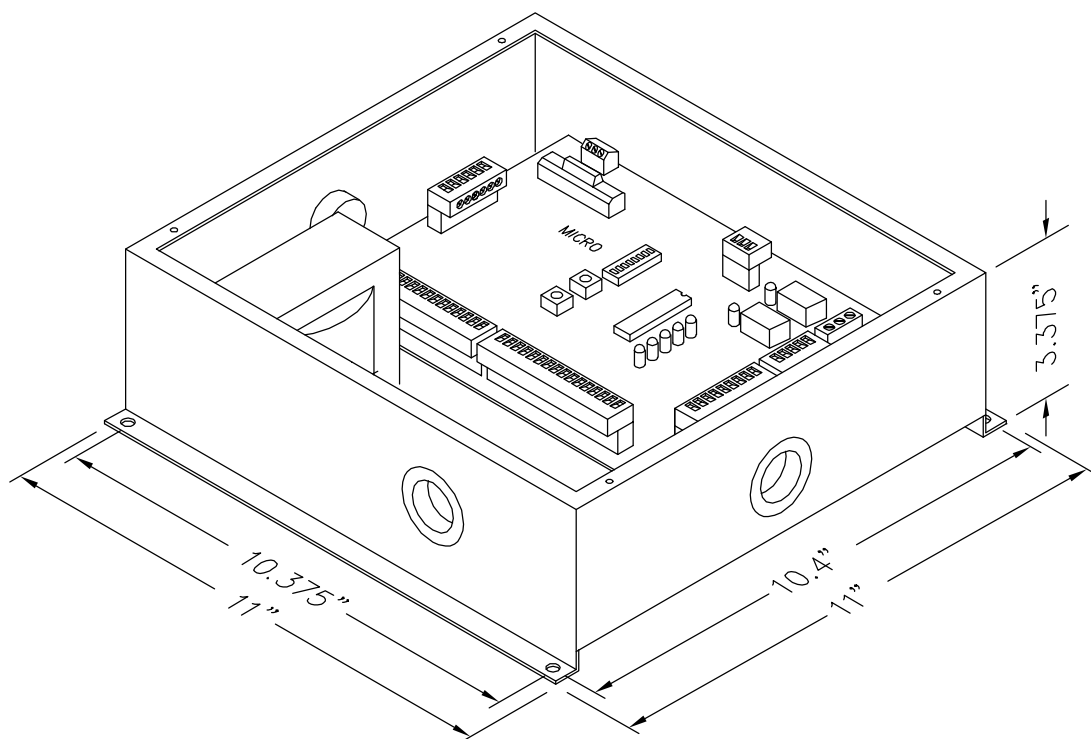


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DPCXX-XXXXX

Ver. 1 Rel. 06/17/02

A.D.A.



DIRECTION PREFERENCE CONTROL UNIT

Save hours and time by following a few parameters. This unit determines the direction preference for a controller without lantern logic. The unit makes intelligent decisions based on the information given, then provides the correct output. Dry contact relays are given for up and down indications with an option for Micro Comm serial lanterns.

Features:

- Machine room mount
- Self-contained
- Opto isolated inputs
- Pluggable connection
- Fused
- Relay output
- Optional serial lantern output
- Conforms to ADAAG 4.10.4

TO ORDER - SPECIFY DPC XX - X X X X X

"05" = FIVE FLOORS

"09" = NINE FLOORS

"13" = THIRTEEN FLOORS

"17" = SEVENTEEN FLOORS

TERMINAL LANDING VOLTAGE (A-G)

TRAVELING ARROW VOLTAGE (A-G)

HALL CALLS VOLTAGE (A-G)

DOOR STROBE VOLTAGE (A-G)

SERIAL LANTERN VOLTAGE (A-G, X)

SIGNAL VOLTAGES:

"A" = POSITIVE 6-20VAC/DC, 24VAC

"B" = POSITIVE 24-48VDC, 48VAC

"C" = POSITIVE 120VAC

"D" = POSITIVE 125VDC

"E" = NEGATIVE 6-20VDC

"F" = NEGATIVE 24-48VDC

"G" = NEGATIVE 125VDC

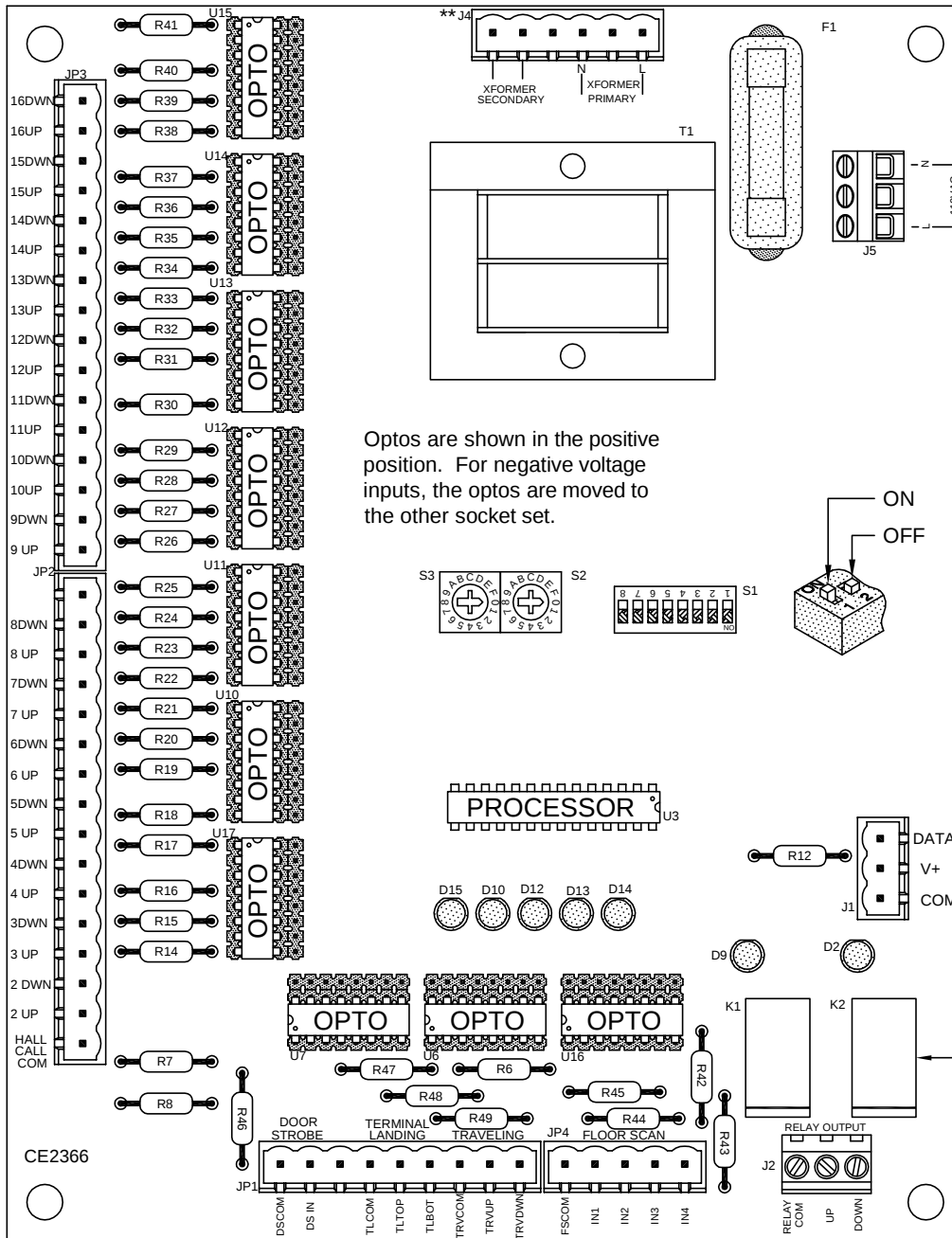
"X" = NO SELECTION (LANTERN OPTION ONLY)

NOTE:

1. Illuminated hall buttons needed for use of this device.
2. If a special voltage is required, please consult factory.

DPCXX

JOB# _____

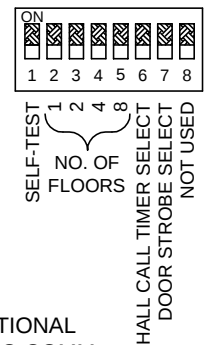


****NOTE:** J4 is used for the serial lantern option only. If on-board transformer is used, do not connect anything to J4.

DEFAULT SETTINGS

								ON
								OFF
1	2	3	4	5	6	7	8	

DIP SWITCH DETAIL



OPTIONAL MICRO COMM OUTPUT FOR SERIAL LANTERNS

RELAY OUTPUT (MAX):
8A @ 125/250VAC
5A @ 30VDC

NOTE: Voltage supplied to J2 determines the arrow voltage.

The DOOR STROBE (DS IN) signal triggers the UP and DOWN outputs based on the TRAVELING inputs (TRVUP and TRVDWN).

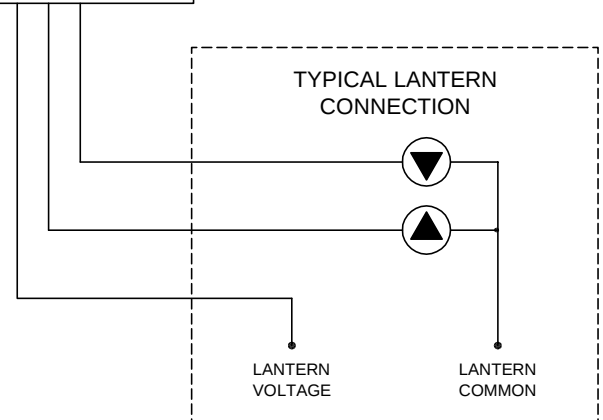
ROTARY SWITCH S2 _____

ROTARY SWITCH S3 _____

CODE VERSION _____

BOARD VERSION CE2366 _____

TYPICAL LANTERN CONNECTION

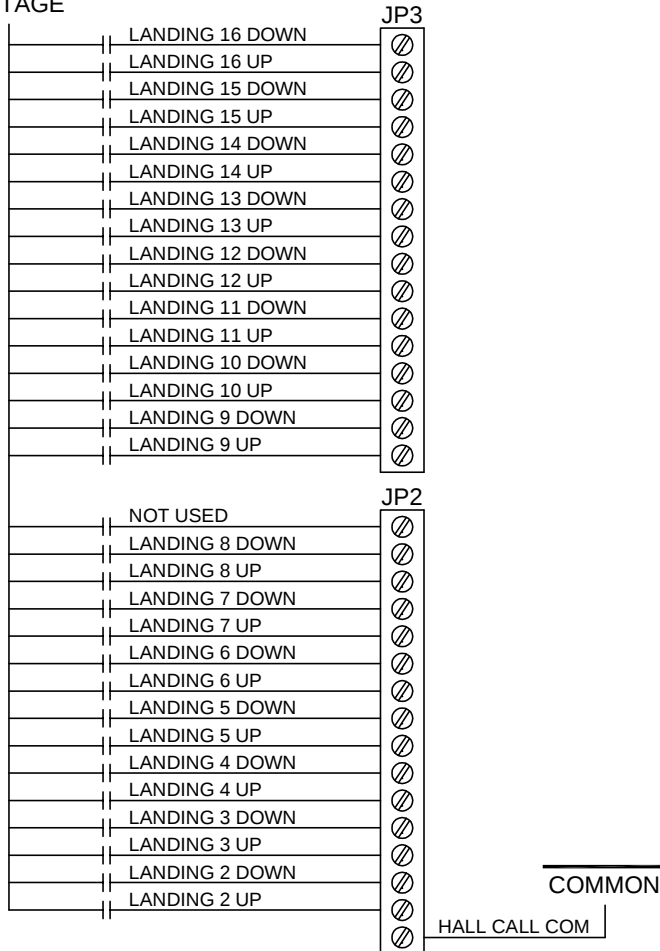


DPCXX

WIRE CONNECTIONS AND SWITCH FUNCTIONS

HALL CALL INPUTS

SIGNAL
VOLTAGE



SWITCH FUNCTIONS

DIP Switch 1 - TEST MODE - Turn on DS1 then power up the unit. The following will occur:

1. The UP relay and D9 will turn on for 2 seconds, and then turn off.
2. The DOWN relay and D2 will turn on for 2 seconds, and then turn off.
3. Both relays and LEDs will turn on for 2 seconds, and then turn off.
4. The unit is now in INPUT test mode. Any active input will turn on both relays and LEDs.

DIP Switches 2-5 - Number of Floors - Used to select the number of floors that are available, including terminal landings.

DS2	DS3	DS4	DS5	NO. OF FLOORS
OFF	OFF	OFF	OFF	2
ON	OFF	OFF	OFF	3
OFF	ON	OFF	OFF	4
ON	ON	OFF	OFF	5
OFF	OFF	ON	OFF	6
ON	OFF	ON	OFF	7
OFF	ON	ON	OFF	8
ON	ON	ON	OFF	9
OFF	OFF	OFF	ON	10
ON	OFF	OFF	ON	11
OFF	ON	OFF	ON	12
ON	ON	OFF	ON	13
OFF	OFF	ON	ON	14
ON	OFF	ON	ON	15
OFF	ON	ON	ON	16
ON	ON	ON	ON	17

DIP Switch 6 - Hall Call Timer Select - Used to select the time-out for hall call results (length of time-out is set by rotary switch S2).

- OFF - Result of hall call transition will clear after time set by S2.
ON - Result of hall call transition will not clear and will not change until the next change in hall call signals.

DIP Switch 7 - Door Strobe Select - Determines when door strobe is active

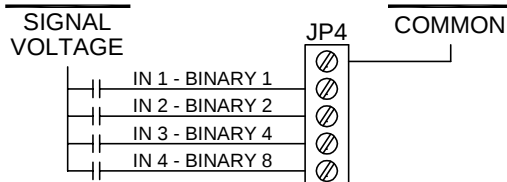
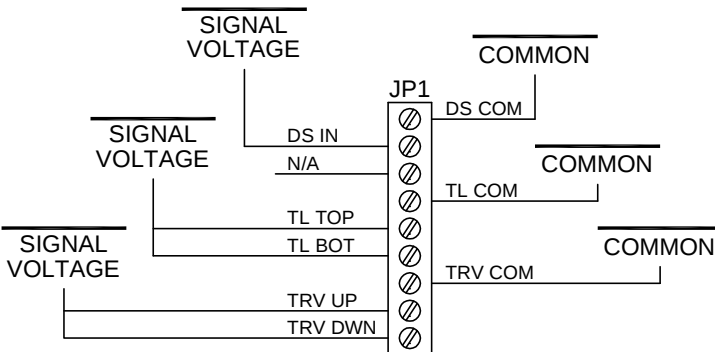
- OFF - Active Low Signal
ON - Active High Signal

DIP Switch 8 - Not Used.

Rotary Switch S2 - Hall Call Time Delay - Position number of switch is number of seconds to time out. Enabled by DS 6.

Rotary Switch S3 - Redundancy - Controls the number of times JP4 (Floor Scan Inputs) is read before being accepted as valid.

- Lowest Setting (0) - Read inputs one time.
Highest Setting (F) - Read inputs 31 times.



FLOOR SCAN INPUT

DATE DRAWN: 01/08/96	DRAWN BY: K.L.S.	REQUESTED BY: D.R.	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
BOARD NUMBER: 2366	LAST DATE REVISED: 04/05/06	APPROVED BY:	
PRODUCT DPCXX CONNECTIONS AND SWITCH FUNCTIONS			
DWG. NO. DPC002			REV. A