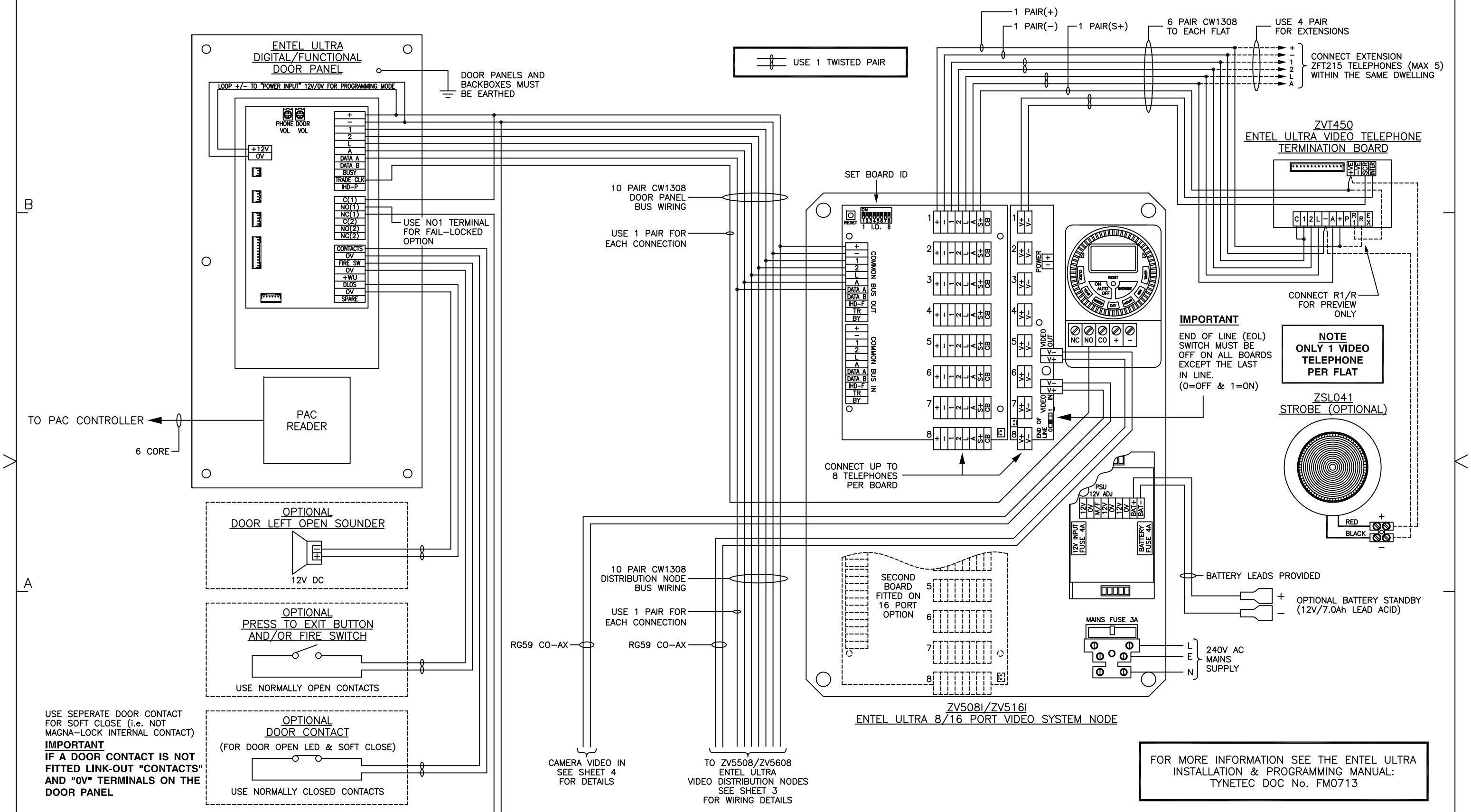
Drg No.
ZV508I/ZV516I

DO NOT SCALE

THIRD ANGLE



ZV508I/ZV516I
ENTEL ULTRA 8/16 PORT VIDEO SYSTEM NODE

FOR MORE INFORMATION SEE THE ENTEL ULTRA INSTALLATION & PROGRAMMING MANUAL: TYNETEC DOC No. FM0713

CUSTOMER:			
04160001	B	DISTRIBUTION BOARDS CHGD	12/04/16
MOD No	MOD	DESCRIPTION	DATE

Drn.	Chkd.	File	Scale	TITLE	Drg No.
IJD		ZV508IW1	NTS	ENTEL ULTRA VIDEO DOOR ENTRY SYSTEM SINGLE ENTRANCE SYSTEM WIRING DETAILS	ZV508I/ZV516I

TOLERANCES
ALL DIMENSIONS AND TOLERANCES IN mm UNLESS OTHERWISE STATED
0–100±0.4 | 600–OVER±1.2
100–600±0.8 | ANGULAR±1°

All parts supplied must conform to the requirements of the RoHS Directive (2011/65/EU) unless otherwise specified and agreed with Tynetec prior to shipment.

SHEET 1 OF 4

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Drg No.
ZV508I/ZV516I

DO NOT SCALE

THIRD ANGLE

TO NEXT DOOR PANEL
(UPTO A MAX OF 255)

+
−
1
2
L
A
DATA A
TRADE
BUSY

NOTE
"BUSY" CONNECTION IS ONLY REQUIRED
ON MULTI−ENTRANCE SYSTEMS.

10 PAIR CW1308
DOOR PANEL
BUS WIRING

USE 1 PAIR FOR
EACH CONNECTION

USE 1 TWISTED PAIR

1 PAIR(+)
1 PAIR(−)
1 PAIR(S+)

6 PAIR CW1308
TO EACH FLAT

TO ZVT450
VIDEO TELEPHONE
SEE SHEET 1 FOR
WIRING DETAILS

+
−
1
2
L
A
S+
V+
V−

DOOR
PANELS
AND
BACKBOXES
MUST BE
EARTHED

ENTEL ULTRA
DIGITAL/FUNCTIONAL
DOOR PANEL 2

LOOP +/− TO "POWER INPUT" 12V/0V FOR PROGRAMMING MODE

PHONE VOL
DOOR VOL

+12V
0V

+
−
1
2
L
A
DATA A
DATA B
BUSY
TRADE CLK
IHD−P

C(1)
NO(1)
NC(1)
C(2)
NO(2)
NC(2)

CONTACTS
0V
FIRE SW
0V
+WU
DLOS
0V
SPARE

PAC
READER

TO PAC
CONTROLLER

6 CORE

CONNECT LOCK, PTE, CONTACTS ETC.
AS SHOWN ON SHEET 1

DOOR
PANELS
AND
BACKBOXES
MUST BE
EARTHED

ENTEL ULTRA
DIGITAL/FUNCTIONAL
DOOR PANEL 1

LOOP +/− TO "POWER INPUT" 12V/0V FOR PROGRAMMING MODE

PHONE VOL
DOOR VOL

+12V
0V

+
−
1
2
L
A
DATA A
DATA B
BUSY
TRADE CLK
IHD−P

C(1)
NO(1)
NC(1)
C(2)
NO(2)
NC(2)

CONTACTS
0V
FIRE SW
0V
+WU
DLOS
0V
SPARE

PAC
READER

TO PAC
CONTROLLER

6 CORE

CONNECT LOCK, PTE, CONTACTS ETC.
AS SHOWN ON SHEET 1

SET BOARD ID

RESET
ON
1 2 3 4 5 6 7 8
1 I.D. 8

COMMON BUS OUT
+
−
1
2
L
A
DATA A
DATA B
IHD−F
TR
BY

COMMON BUS IN
+
−
1
2
L
A
DATA A
DATA B
IHD−F
TR
BY

1 2 3 4 5 6 7 8
+ I 1 2 L A S+ CB
V+ V−

POWER
| +

VIDEO OUT
V−
V+

VIDEO IN
V−
V+

END OF LINE
0 1

EOL
SEE
SHEET 1

NC NO CO + −

CONNECT UP TO
8 TELEPHONES
PER BOARD

PSU
12V ADJ
12V 0V M/F 12V 0V 12V 0V BAT+ BAT−

12V INPUT
FUSE 4A

BATTERY
FUSE 4A

SECOND
BOARD
FITTED ON
16 PORT
OPTION

5 6 7 8

10 PAIR CW1308
DISTRIBUTION NODE
BUS WIRING

USE 1 PAIR FOR
EACH CONNECTION

RG59 CO−AX

RG59 CO−AX

CAMERA VIDEO IN
SEE SHEET 4
FOR DETAILS

TO ZV5508/ZV5608
ENTEL ULTRA
VIDEO DISTRIBUTION NODES
SEE SHEET 3
FOR WIRING DETAILS

ZV508I/ZV516I
ENTEL ULTRA 8/16 PORT VIDEO SYSTEM NODE

FOR MORE INFORMATION SEE THE ENTEL ULTRA
INSTALLATION & PROGRAMMING MANUAL:
TYNETEC DOC No. FM0713

CUSTOMER:			
04160001	B	DISTRIBUTION BOARDS CHGD	12/04/16
MOD No	MOD	DESCRIPTION	DATE

TOLERANCES
ALL DIMENSIONS AND TOLERANCES IN mm UNLESS OTHERWISE STATED
0−100±0.4 | 600−OVER±1.2
100−600±0.8 | ANGULAR±1°

All parts supplied must conform to the requirements of the RoHS Directive (2011/65/EU) unless otherwise specified and agreed with Tynetec prior to shipment.

SHEET 2 OF 4

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Drn.	Chkd.	File	Scale	TITLE	Drg No.
IJD		ZV508IW2	NTS	ENTEL ULTRA VIDEO DOOR ENTRY SYSTEM MULTI ENTRANCE SYSTEM WIRING DETAILS	ZV508I/ZV516I

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Drg No.
ZV508I/ZV516I

DO NOT SCALE

THIRD ANGLE

USE 1 TWISTED PAIR

TO DOOR PANEL(S)
SEE SHEETS 1 & 2
FOR WIRING DETAILS

10 PAIR CW1308
DOOR PANEL
BUS WIRING

USE 1 PAIR FOR
EACH CONNECTION

1 PAIR(+)
1 PAIR(−)
1 PAIR(S+)

6 PAIR CW1308
TO EACH FLAT

TO ZVT450
VIDEO TELEPHONE
SEE SHEET 1 FOR
WIRING DETAILS

SET BOARD ID

COMMON BUS OUT
COMMON BUS IN
POWER
VIDEO OUT
VIDEO IN
END OF LINE

IMPORTANT

END OF LINE (EOL)
SWITCH MUST BE
OFF ON ALL BOARDS
EXCEPT THE LAST
IN LINE.
(0=OFF & 1=ON)

CONNECT UP TO
8 TELEPHONES
PER BOARD

RG59 CO−AX

CAMERA VIDEO IN
SEE SHEET 4
FOR WIRING DETAILS

PSU
12V ADJ

12V INPUT FUSE 4A

BATTERY FUSE 4A

SECOND
BOARD
FITTED ON
16 PORT
OPTION

ZV508I/ZV516I
ENTEL ULTRA 8/16 PORT VIDEO SYSTEM NODE

10 PAIR CW1308
DISTRIBUTION NODE
BUS WIRING

USE 1 PAIR FOR
EACH CONNECTION

RG59 CO−AX

ZV5508/ZV5608
ENTEL ULTRA
VIDEO DISTRIBUTION NODE

TO NEXT VIDEO
DISTRIBUTION NODE
(UPTO A MAX OF 255)

FOR MORE INFORMATION SEE THE ENTEL ULTRA
INSTALLATION & PROGRAMMING MANUAL:
TYNETEC DOC No. FM0713

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CUSTOMER:			
04160001	B	DISTRIBUTION BOARDS CHANGE	12/04/16
MOD No	MOD	DESCRIPTION	DATE

TOLERANCES
ALL DIMENSIONS AND TOLERANCES IN mm UNLESS OTHERWISE STATED
0−100±0.4 | 600−OVER±1.2
100−600±0.8 | ANGULAR±1°

All parts supplied must conform to the requirements of the RoHS Directive (2011/65/EU) unless otherwise specified and agreed with Tynetec prior to shipment.

SHEET 3 OF 4

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Drn.	Chkd.	File	Scale	TITLE	Drg No.
IJD		ZV508IW3	NTS	ENTEL ULTRA VIDEO DOOR ENTRY SYSTEM DISTRIBUTION NODE WIRING DETAILS	ZV508I/ZV516I

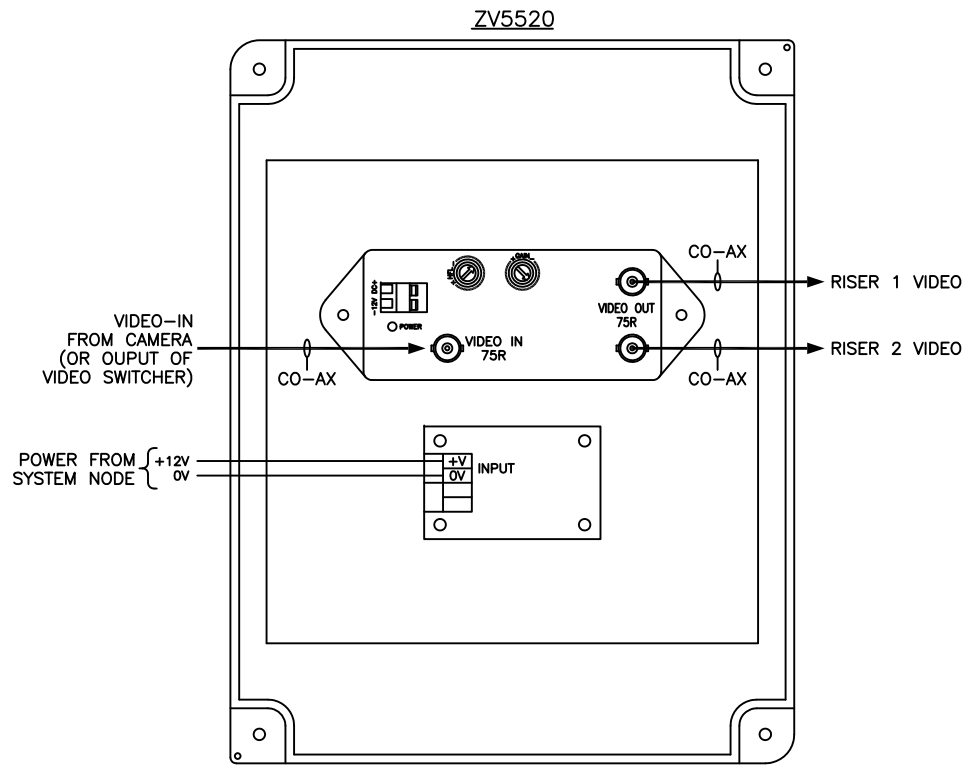
Drg No.
ZV5081/ZV5161

DO NOT SCALE

THIRD ANGLE

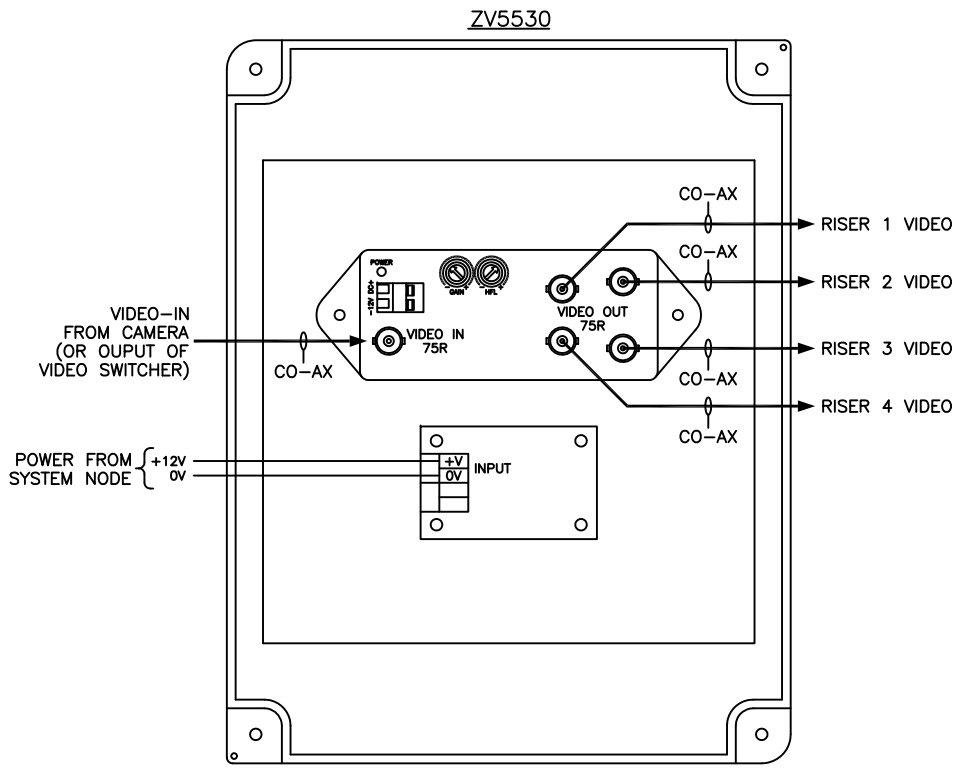
VIDEO DISTRIBUTION AMPLIFIER (2 OUTPUT)

ZV5520



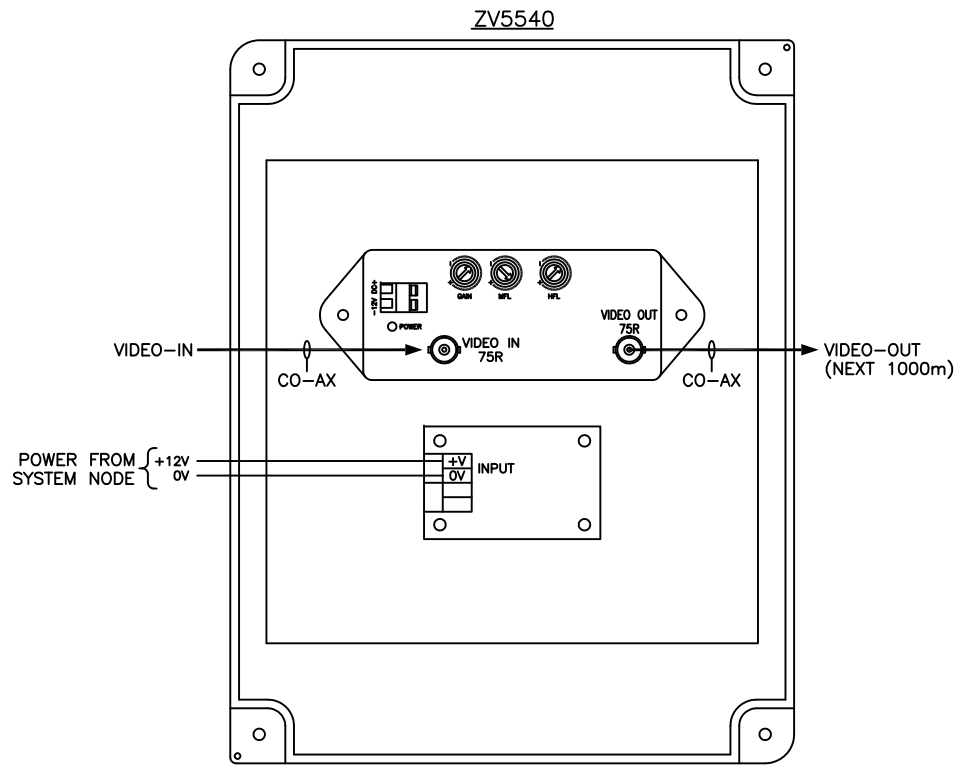
VIDEO DISTRIBUTION AMPLIFIER (4 OUTPUT)

ZV5530

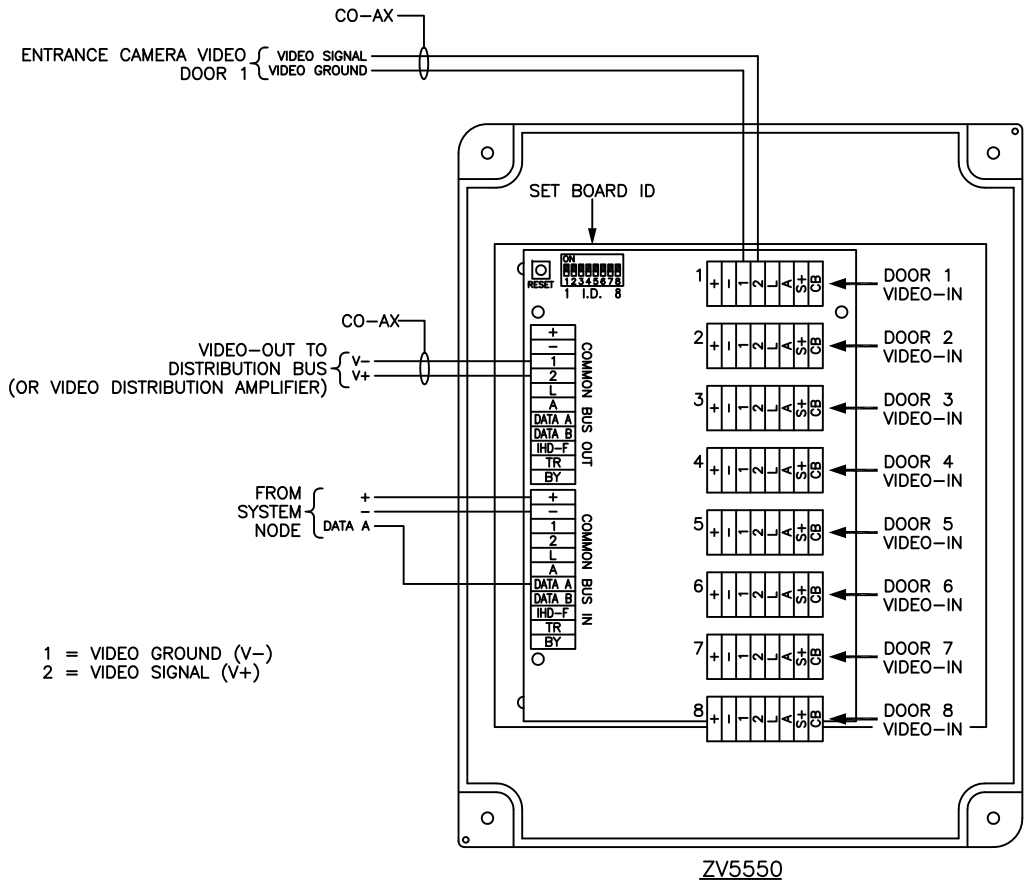


VIDEO LINE CORRECTOR/EXTENDER

ZV5540

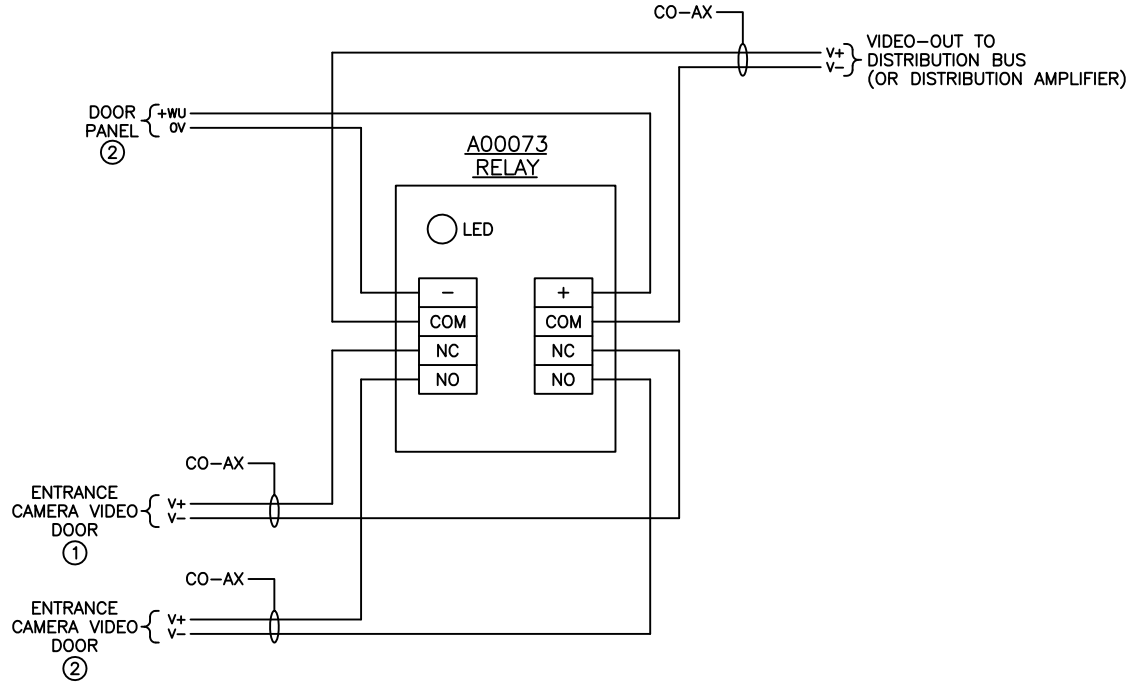


8 CHANNEL CAMERA VIDEO SWITCHER



ZV5550

2 ENTRANCE VIDEO SWITCH RELAY



CUSTOMER:				TOLERANCES	SHEET 4 OF 4
				ALL DIMENSIONS AND TOLERANCES IN mm UNLESS OTHERWISE STATED 0–100±0.4 | 600–OVER±1.2 100–600±0.8 | ANGULAR±1°	Tynetec is a business unit of Legrand Electric Ltd. Tel: (01670)352371 Fax: (01670)362807
04160001	B	DISTRIBUTION BOARDS CHGD	12/04/16	All parts supplied must conform to the requirements of the RoHS Directive (2011/65/EU) unless otherwise specified and agreed with Tynetec prior to shipment.	legrand®
MOD No	MOD	DESCRIPTION	DATE		
Drn. IJD	Chkd.	File ZV5081W4	Scale NTS	TITLE ENTEL ULTRA VIDEO DOOR ENTRY SYSTEM VIDEO AMPLIFIER & SWITCHER OPTIONS	Drg No. ZV5081/ZV5161

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