

### **DIRECT DIALLING INTERCOMS**

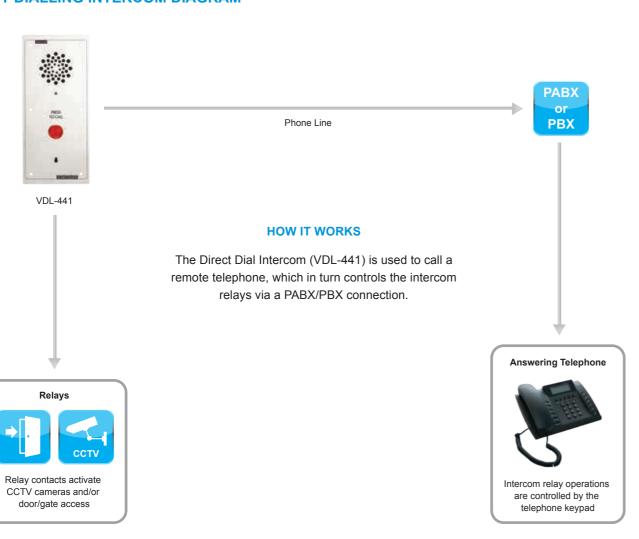
The Jacques Direct Dial intercom range (VDL Series) is designed for easy connection to new and existing PSTN/PABX telephony systems. These intercom terminals can dial 1, 4 or up to 999 pre-configured telephone numbers, making them ideal entrance intercoms.

Analogue Direct Dial Help Point Units automatically dial a preconfigured telephone number via a PSTN or PABX network once the call button is pressed.

The intercoms feature enabled noise reduction and echo cancellation technology for quality audio and clear conversations. The Direct Dial series intercom terminals include configurable relays ideal for door or gate access. The VDL range of intercoms offer simple installation and require low maintenance, ideal for industrial, marine or commercial applications.



# **DIRECT DIALLING INTERCOM DIAGRAM**







### DIRECT DIAL INTERCOM TERMINAL VDL-441/VDL-444/VDL-44K

Standalone analogue intercom

PRODUCT CODE 51109, 51150, 51269

#### **FEATURES**

Direct dialling to a pre-configured phone number via telephone or PABX line. Vandal resistant design One-touch operation with hands-free communication, once call is established

Microphone aperture deters insect nesting and water beads

#### **SPECIFICATIONS**

Speaker	4 $\Omega$ , 3 W RMS (power rating)
Speaker Amplifier	150 Hz to 4000 kHz, 2 W RMS
Max. Acoustic Output	88 dB SPL @ 1 m
Speaker Hole Size	42 x 4 - 7 mm Ø holes
Microphone	Electret condenser, omnidirectional, sensitivity -55 dB
Microphone Hole Size	1 x "koala nose", 6 x 10 mm
Audio Bandwidth	300 Hz - 3.4 kHz (telephone bandwidth)
Telephone Interface	On Hook REN 0.1
	Off Hook Termination impedance - 600 $\Omega$ @ 1800Hz Line current limit setting - 62 mA Minimum line operation current - 15 mA Dialing - DTMF only
Control Buttons	1 x piezo switch, red, 28 mm (VDL-441) 4 x piezo switch, red,19 mm (VDL-444) 3 x 4 metal keypad, silver, 47 x 64 mm buttons (VDL-44K)
Auxiliary Functions	2 x relays NC/NO type – 2 A @ 24 V d.c.
Power Input	(12 – 32) V d.c. (24 V d.c. nominal)
Power Consumption	300 mA max.
Operating Temperature	(0 – 50) °C
Operating Humidity	(10 – 95) % relative humidity (non-condensing)
Cabling	Telephone Line: 1 pair UTP Power: Figure 8, 0.75 mm² multi-strand
Configuration	Programmed using remote telephone via DTMF, max. 15 digits Dial 1 telephone number (VDL-441) Dial 4 telephone numbers (VDL-444) Dial up to 999 telephone numbers (VDL-44K)
Compliance	Telecommunications: ACIF S002:2001,2004:2001 Safety: AS/NZS 60950:2000 EMC: AS/NZS CISPR22:2002, class B Labelling A-tick label, N12046
Dimensions (WxHxD)	130 mm x 290 mm x 45 mm
Weight	1.35 kg
Material	316 stainless steel (2 mm)
Finishes	Linish
Environment	Indoor and outdoor
Vandal Resistant	Yes
Mounting Options	Flush mount backbox (FWE-1), surface mount backbox (SWE-1/SWE-9SS)
Mounting Holes	6 x 5 mm Ø screw holes
Fixings	6 x M4 security torx screws

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# DIRECT DIAL HELP POINT UNIT HPU-5D2/HPU-5D2-i

PRODUCT CODE 51151, 51229

### **FEATURES**

PEATURES	
	Standalone analogue intercom
	Direct dialling to a pre-configured phone number via telephone or PABX line
	Highly visible unit, designed with public safety in mind
	Solid, vandal resistant design
	One-touch operation with hands-free communication, once call is established
	Microphone aperture deters insect nesting and water beads
CUSTOMISATION	
	Call button colour
	Intercom face colour and etching
	Shell colour
	Top emblem sticker

### **SPECIFICATIONS**

Speaker	1 x 4 Ω, 3 W RMS (power rating)
Speaker Amplifier	150 Hz - 4000 Hz, 2 W RMS
Max. Acoustic Output	88 dBSPL @ 1 m
Speaker Hole Size	42 x 4 – 7 mm Ø holes
Microphone	Electret condenser, omnidirectional, sensitivity -55 dB
Microphone Hole Size	6 x 3 & 5 mm Ø holes
Audio Bandwidth	300 Hz – 3.4 kHz (telephone bandwidth)
Telephone Interface	On Hook REN 0.1
	Off Hook Termination impedance - $600~\Omega$ @ $1800$ Hz Line current limit setting - $62~m$ A Minimum line operation current - $15~m$ A Dialing - DTMF only
Control Buttons	1 x piezo switch, red, 28 mm (HPU-5D2) 2 x piezo switch, 1 x red, 1 x blue, 28 mm (HPU-52-i)
Auxiliary Functions	2 x relays NC/NO type – 24 V d.c. / 2 A max.
Power Input	(12 – 32) V d.c. (24 V d.c. nominal)
Power Consumption	300 mA max.
Operating Temperature	(0 – 55) °C
Operating Humidity	(10 – 95) % relative humidity (non-condensing)
Cabling	Telephone Line: 1 pair UTP Power: Figure 8, 0.75 mm² multi-strand
Configuration	Programmed using remote telephone via DTMF, max. 15 digits Dial 1 telephone number (HPU-5D2) Dial 2 telephone numbers (HPU-5D2-i)
Dimensions (WxHxD)	320 mm x 420 mm x 120 mm
Weight	8.1 kg
Material	Front shell: 5 mm die cast aluminium Front control panel: 316 type stainless steel (3 mm) Back: 316 type stainless steel (3 mm)
Finishes	Dulux™ orange powder coated, with a clear anti-graffiti lacquer
Environment	Indoor and outdoor
Vandal Resistant	Yes
Mounting Options	Wall mount (WMP-5), bollard (BOL-3xx)
Mounting Holes	6 x M6 stainless steel tapped standoffs

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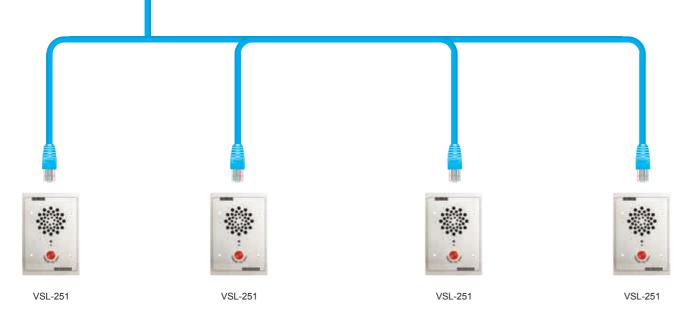
### **VMI SERIES DIAGRAM**



## VMI-155M

### **HOW IT WORKS**

- The VMI Series Master Station (VMI-155M) combined with four intercom terminals (VSL-251) makes a complete standalone intercom system.
- The master station communicates with the intercom stations via the four separate call buttons.
- The Push-To-Talk button allows for half duplex communication between the master station and the intercom terminals.
- Each intercom terminal can also feature two configurable relays that can be triggered automatically during a call or manually at the master station.



### VMI STANDALONE MASTER STATION VMI-155M

PRODUCT CODE 50634

### **FEATURES**

Standalone intercom system
Master station supports up to 4 slave intercoms
Balanced line out for recording
Vandal resistant design
Dry relay contact output for door/gate control

### CUSTOMISATION

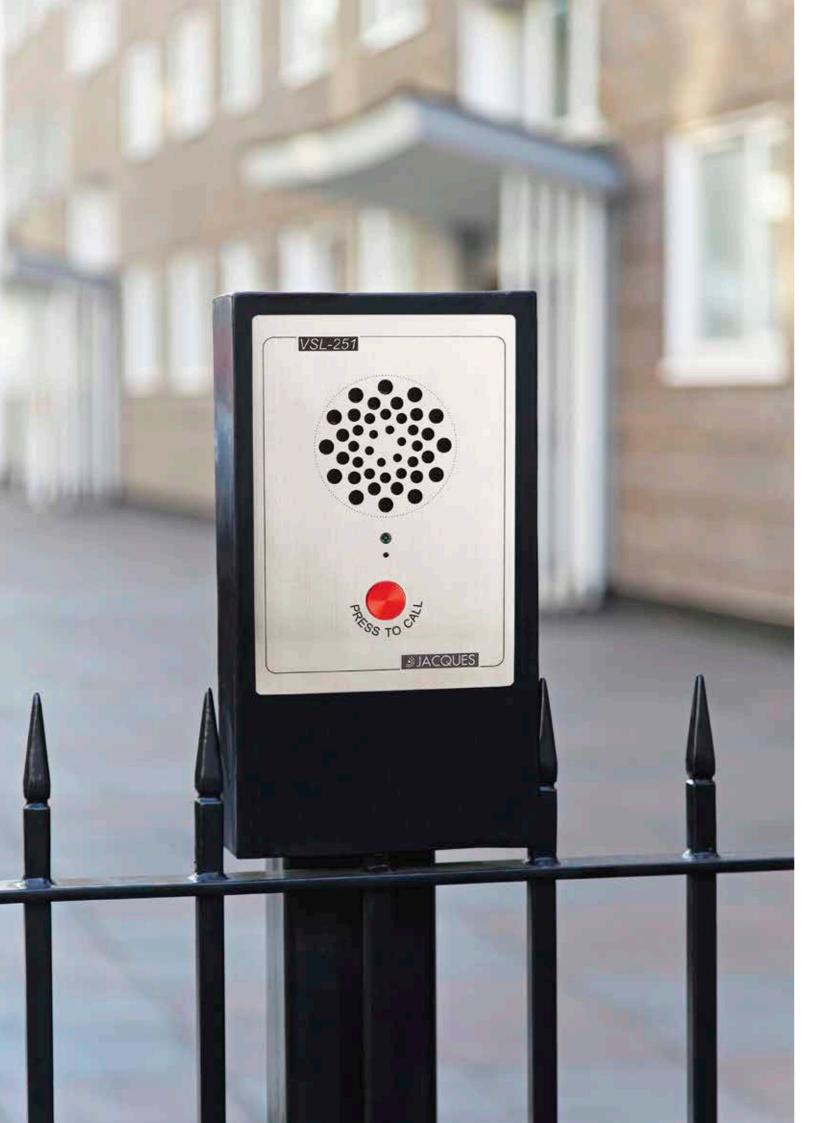
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VMI-155M

	Intercom face etching
SPECIFICATIONS	
Speaker	4 Ω, 3 W RMS (power rating)
Speaker Amplifier	60 Hz to 12 kHz, 1 W RMS
Max. Acoustic Output	88 dBSPL @ 1 m, 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	42 x 4 – 7 mm Ø holes
Microphone	Electret condenser, omnidirectional, sensitivity -55 dB 160 Hz – 16 kHz (input circuit frequency response ±3 dB)
Microphone Hole Size	1 x 2.5 mm Ø hole
Audio Bandwidth	160 Hz - 12 kHz
Control Buttons	4 x stainless steel call push buttons, 19 mm 1 x stainless steel push-to-talk button, 19 mm
Auxiliary Functions	Electronically balanced signal, -4 dBu nominal
Power Input	(12 – 32) V d.c. (24 V nominal)
Power Consumption	5 W max.
Operating Temperature	(0 – 50) °C
Operating Humidity	(10 – 95) % relative humidity (non-condensing)
Cabling	Audio & Data: UTP CAT-5/6, multi-strand, 24 AWG Recording Audio: single pair screened cable Power: Figure 8, 0.75 mm² multi-strand
Configuration	1-4 Jacques VSL-251 intercom terminals (daisy chained)
Dimensions (WxHxD)	130 mm x 290 mm x 45 mm
Weight	1.0 kg
Material	316 stainless steel (2 mm)
Finishes	Linish
Environment	Indoor and outdoor
Vandal Resistant	Yes
Mounting Options	Flush mount backbox (FWE-1), surface mount backbox (SWE-1/SWE-9SS)
Mounting Holes	6 x 5 mm Ø screw holes
Fixings	6 x M4 security torx screws

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# **ANALOGUE INTERCOM TERMINAL VSL-251**

PRODUCT CODE 50330

# FEATURES

	Vandal resistant design
	One-touch operation with hands-free communication, once call is established
SPECIFICATIONS	
Speaker	1 x 8 Ω, 3 W
Speaker Amplifier	1 W
Max. Acoustic Output	88 dBSPL @ 1 m, 1 kHz (non-clipped) sine wave signal
Speaker Hole Size	42 x 4 – 7 mm Ø holes
Microphone	Electret condenser, omnidirectional, sensitivity -56 dB
Microphone Hole Size	1 x 2.5 mm Ø hole
Audio Bandwidth	160 Hz – 16 kHz, -3 dB
Control Buttons	1 x piezo switch, red, 19 mm
Auxiliary Functions	Optional 1 x relay NC/NO type - 24 V d.c. / 2 A max (DR-1)
Power Input	(12 – 32) V d.c.
Power Consumption	3 W max.
Operating Temperature	(0 - 50) °C
Operating Humidity	(10 – 95) % non-condensing
Cabling	Bus (daisy-chain) topology, up to 1 km depending on supply voltage, power cable gauge and distribution 1 x 4 pair Cat5/5e/6 (RS-485 + Intercom Audio) 1 x Figure 8 (2 conductor) 0.75 mm² minimum (Power) 1 x 2 pair individually screened 0.2 mm² (Auxiliary channels if required)
Configuration	Up to 255 VSL-251s addressed per bus, up to 8000 devices total in a hierarchical system
Dimensions (WxHxD)	125 mm x 180 mm x 58 mm 58 mm min. mounted depth
Weight	0.67 kg
Material	304 stainless steel (2 mm)
Finishes	Linish
Environment	Indoor and outdoor
Vandal Resistant	Yes, strong front panel, staggered speaker holes to prevent speaker damage
Mounting Options	Flush mount backbox (FWE-14), surface mount backbox (SWE-6\SWE-4SS), rainhood (SRH-1)
Mounting Holes	4 x 4.5 mm Ø screw holes
Fixings	4 x M4 security torx screws





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