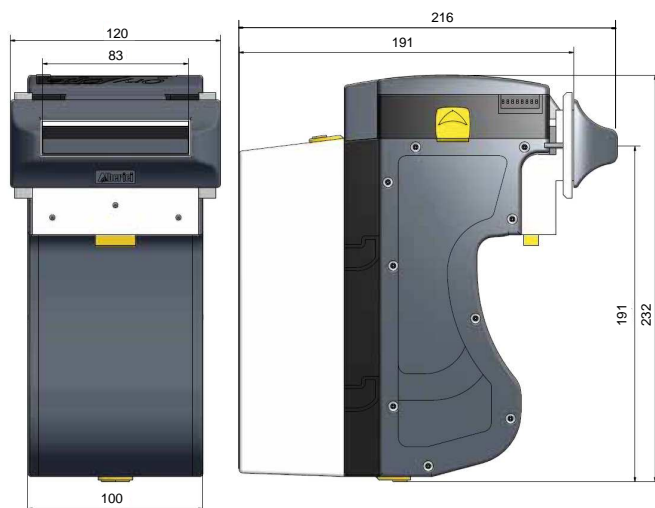


ORYONE banknote validator

Quick guide

Rev. 1.03

All possible measures are taken by Alberici to maintain and improve the quality of this product. Unproper installation or incorrect use of this unit can mar its performances, as well as their stability in time.



Technical Specs:

ALIMENTAZIONE / POWER SUPPLY

24Vdc - $\pm 5\%$

ASSORBIMENTO / CURRENT DRAW

200 mA (stand-by) | 400 mA (work cycle, max 1 Amp)

PROTOCOLLI / INTERFACE

ccTalk / Pulse

TASSO DI ACCETTAZIONE / ACCEPTANCE RATE > 95%

TECNOLOGIE DI RICONOSCIMENTO / SCAN TECHNOLOGY

Trasparenza e riflessione (sensori IR e sensori cromatici) VHR
VHR transparency and reflection (IR and colour sensors)

VELOCITÀ DI VALIDAZIONE / VALIDATION SPEED

2 sec ca. (4 versi) / approx. 2 sec (any of 4 directions)

BANCONOTE COMPATIBILI / BANKNOTE SIZE

62 - 82,5 mm (larghezza/width)

TEMPERATURA DI UTILIZZO / OPERATING TEMPERATURE

0°C - 50°C (senza condensa/without condensation)

TEMPERATURA DI MAGAZZINO / STORAGE TEMPERATURE

-10°C - 60°C (senza condensa/without condensation)

PESO / WEIGHT 1,200 Kg

Support
plate for
mounting
panel

1

To remove the whole validator from the panel,
press upwards button 1 (from any of the 3
positions shown in figure above)

To open up the cash-box and take
banknotes out, slide button 3.

2

Press pushbutton 2 to remove
the cash-box from the validator.

3

Alberici®
CASH SOLUTIONS

Progettazione e produzione di sistemi di pagamento e accessori per macchine Gaming, Vending e Car-Wash

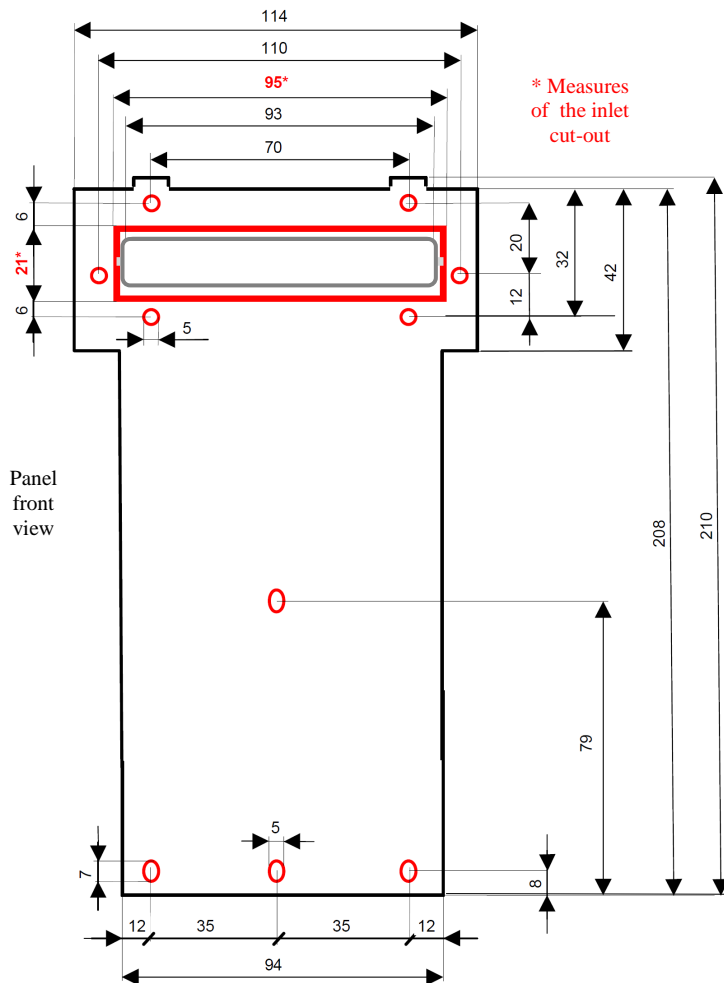
Via Cà Bianca, 421 - 40024
Castel San Pietro Terme (BO) - Italy

Tel.: +39.051.944300
Fax.: +39.051.944594

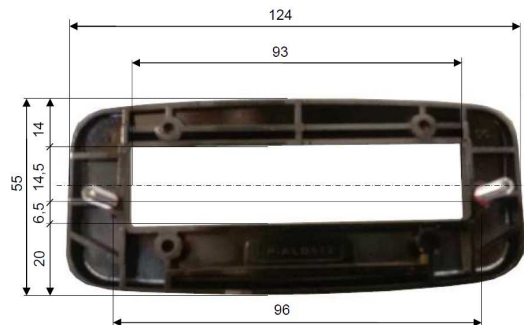
Web: www.alberici.net
E.mail: info@alberici.net



FIXING PLATE for PANEL (MAX THICKNESS = 7 MM):



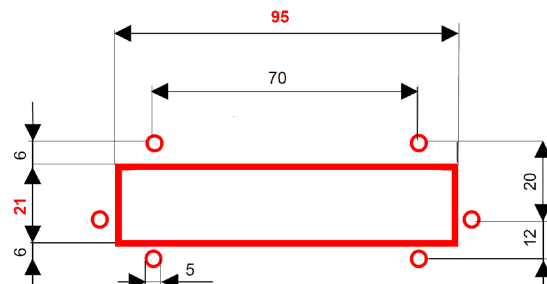
The optional chrome-plated bezel ref. AA-0238 is available to smarten the surround of the notes inlet.



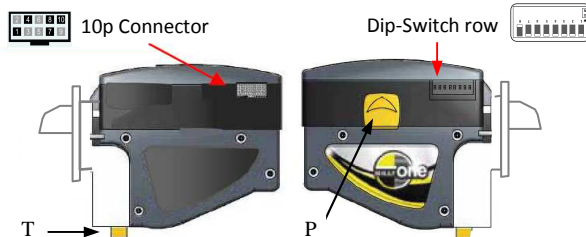
M4 Threaded studs

Preset the cut-out for panel mount

Take care to preset also the 3 + 1 studs for the lower fixing holes.

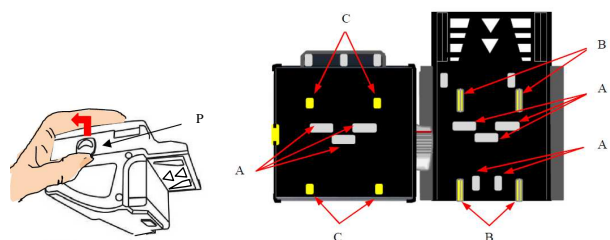


OPENING THE HEAD UNIT



Press the yellow button (T) to remove the faceplate.

Cleaning: press the slide-button (P) to open the upper cover.



A. Sensors B. Rollers C. Rolls

Wipe the sensor surface off by a lint-free cloth or by a cotton-bud, eventually moistened with isopropyl alcohol to clean parts A, B and C.

CONNECTOR PIN-OUT						
CCTALK				Pin	Signal	Function
DATA	1	2	-	1	CCT	CCT Data (active low)
-	3	4	GND	2	NC	Not connected
-	5	6	-	3	NC	Not connected
12/24 Vdc	7	8	GND	4	NC	GND
-	9	10	12/24 Vdc	5	NC	Not connected
				6	NC	Not connected
				7	Vcc	+ 12 / 24 Vdc (Power supply)
				8	Vss	GND (Power supply)
				9	NC	Not connected
				10	Vcc	+ 12 / 24 Vdc (Power supply)
PULSE				Pin	Signal	Function
INH+	1	2	-	1	INH+	Inhibit (GND = enabled)
-	3	4	GND	2	NC	Not connected
-	5	6	-	3	NC	Not connected
12/24 Vdc	7	8	GND	4	NC	GND
VEND	9	10	12/24 Vdc	5	NC	Not connected
				6	NC	Not connected
				7	Vcc	+ 12 / 24 Vdc (Power supply)
				8	Vss	GND (Power supply)
				9	VEND	Credit out (active low)
				10	Vcc	+ 12 / 24 Vdc (Power supply)

N° SW	DIP-SWITCH FUNCTIONS					
SW 1	OFF	High selectivity – High security			ON	High acceptance – Low security
SW 2	OFF	Anti-fraud, warning enabled: 5 attempts + temporary inhibit (see ** in Table AF Modes below)			ON	Anti-fraud, warning disabled (see * in Table AF Modes below)
SW 3 e SW 4	SW 3	SW 4	Set up of slot luminescence			
	OFF	OFF	Changing colours			
	ON	OFF	Green			
	OFF	ON	Blue			
	ON	ON	White			
SW 5	Serial modes (Dip-Sw8=OFF)			Pulse Mode (Dip-Sw8=ON)		
	SW 5	Function		SW 5	Pulse width	
	OFF	n.d.		OFF	100msec./100msec.	
	ON	n.d.		ON	200msec./200msec.	
SW 6 e SW 7	Serial modes (Dip-Sw8=OFF)			Pulse Mode (Dip-Sw8=ON)		
	SW 6	SW 7	Operating mode (protocol)	SW 6	SW 7	Pulse number
	OFF	OFF	ccTalk	OFF	OFF	5 Euro = 1 pulse
	ON	OFF	n.d.	ON	OFF	5 Euro = 5 pulses
	OFF	ON	n.d.	OFF	ON	10 Euro = 5 pulses (5 € disabled)/v. 2.02 up/
	ON	ON	n.d.	ON	ON	5 Euro = 10 pulses [v. 2.02 up/
SW 8	OFF	Serial mode (Select by Dip-switch 6 + 7: ex. ccTalk: SW6=OFF e SW7=OFF)				
	ON	Pulse mode				

Please pay attention: after any change in the DS settings, power must be turned off and then on again, so that the validator can detect the set operation mode.

CCTALK COMMANDS		
CcTalk supported specifications list 1. cctalk Generic Specification Issue 3.2 2. cctalk Expansion for Bill Validators Issue2.1 CcTalk supported commands list 1. Core Commands Header 192 - Request build code Header 244 - Request product code Header 245 - Request equipment category id Header 246 - Request manufacturer id Header 254 - Simple poll	2. Core Plus Commands Header 001 - Reset device Header 004 - Request comms revision Header 241 - Request software revision Header 242 - Request serial number 3. Bill Validator Commands Header 145 - Request currency revision Header 152 - Request bill operating mode Header 153 - Modify bill operating mode Header 154 - Route bill	
	Header 156 - Request country scaling factor Header 157 - Request bill id Header 159 - Read buffered bill events Header 197 - Calculate ROM checksum Header 213 - Request Option flags Header 216 - Request data storage availability Header 227 - Request inhibit status Header 228 - Modify master inhibit status Header 230 - Request inhibit status Header 231 - Modify inhibit status Header 247 - Request variable set	

LUMINESCENT SIGNALS	
NR RED FLASHES	DESCRIPTION
1	VALIDATOR IS OPEN
2	JAMMED BANKNOTE
3	FRAUD ATTEMPTED
5	ADJUST OPTICS
7	-
9	LOW POWER SUPPLY
11	CHECK ENCODER+MOTOR EFFICIENCY
12	-
14	ROM ERROR

AF MODES (ANTI-FRAUD)		
(*) Dip-Switch SW2 ON		
After fraud attempts, the validator returns the banknote. No signal given.		
(**) Dip-Switch SW2 OFF		
Attempt	Validator reaction	Do as described below
1°	Remains in service	-
2°	Remains in service	-
3°	> error (3 red flashes)	Reset (switch off then on)
... 4° ...	> error (3 red flashes)	Reset (switch off then on)
After the 5th fraud attempt (3 yellow flashes), it is necessary to wait for automatic restore of service. Take care not to switch the device off.		



Progettazione e produzione di sistemi di pagamento e accessori per macchine Gaming, Vending e Car-Wash

Via Cà Bianca, 421 - 40024
Castel San Pietro Terme (BO) - Italy

Tel.: +39.051.944300
Fax.: +39.051.944594

Web: www.alberici.net
E.mail: info@alberici.net