

		PRODUCT TECHNICAL SPECIFICATIONS	
	ELECTRICITY	DISPLAY 639	

GENERAL FEATURES

- Position and direction indicator with emergency lighting.
- Compact element to be assembled on car and landing control station.
- Two fixing modes:
 - With welded bolts. Two options, depending on the plate thickness of the operating panel:
 - For plate up to 2 mm in thickness. Special 2 mm protruded screen to get it grade line with the control station plates of this thickness (Figs. 1, 2 and 5).
 - For panel up to 7 mm in thickness. A 7 mm protruded screen is supplied with a kit of 4 mm supplements. This way, the display is grade line with control stations of 3 and 7 mm in thickness.
 - With frame (Figs. 3, 4 and 6) for plates up to 3 mm in thickness. Supplied with supplement washers to get the screen grade line with the front side of the frame when plate is 1, 2 or 3 mm in thickness.

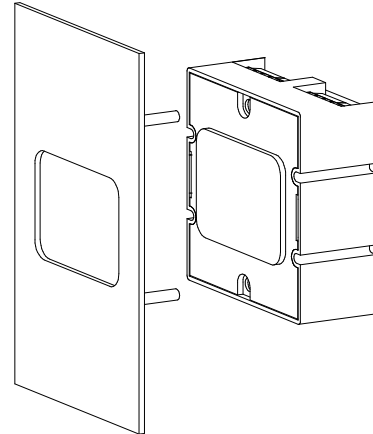


Figure 1 – Display to be fixed on car and landing control station by means of welded bolts

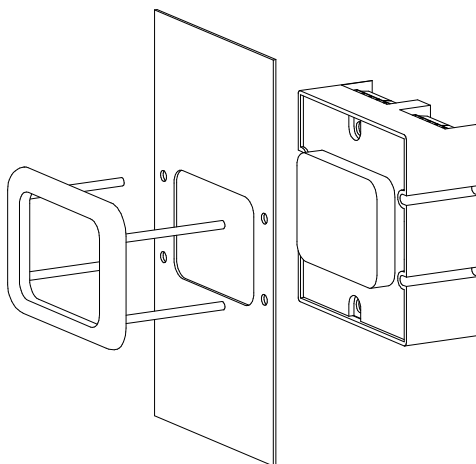


Figure 3 – Display for fixing with plastic frame

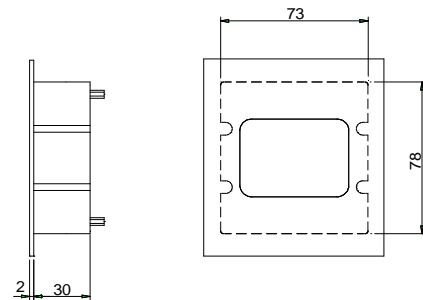


Figure 2 – Display dimensions for fixing with bolts

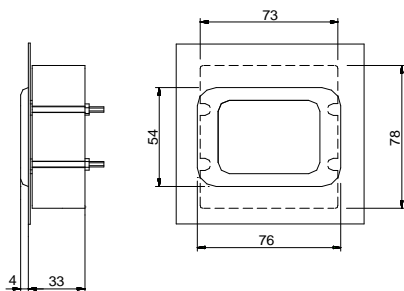


Figure 4 – Display dimensions for fixing with plastic frame

- Housings according to Fig. 5 (fixing with welded bolts) or Fig. 6 (fixing with frame).
- Plastic fireproof polycarbonate parts according to UL94-V2.
- Several colours are available for the plastic frame. The different options are shown in Table 1.
- Liquid crystal screen HTN transmitter.
- Retro lighting with LEDs.
- Positive image: dark digits over white background.
- 2 digits, according to Fig.7, which allows any ASCII character representation (Fig.8)
- Possibility to alternate position digits with direction arrows.
- 2 models, according to sight angle:
 - Lower sight for car and lintel control stations.
 - Upper sight for landing control stations.

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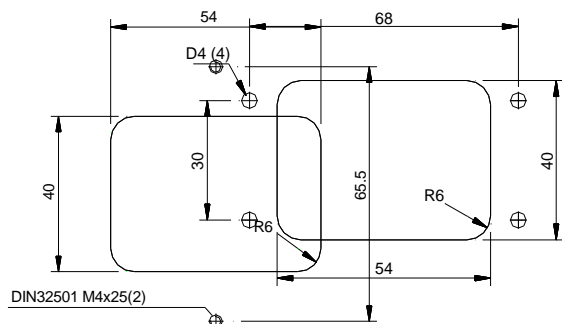


Figure 5 –Standard display housing for fixing with welded bolts on control panel



	DIGITS AND SCREEN COLOUR	
	BLUE	BLACK
FRAME COLOUR		

Table 1 –Available colours of frame

CODING

639 (1) L (2) 2Z

- (1) Fixing method / frame colour (see Table 1)
 - A: Fixing with blue frame
 - N: Fixing with black frame
 - 2: Fixing with welded bolts on 2 mm plate (without frame)
 - 3: Fixing with welded bolts on 3-7 mm plate (without frame)
- (2) Sight angle:
 - H: Lower sight
 - J: Upper sight

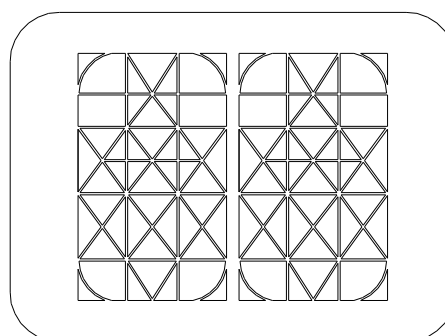


Figure 7 –639 Display Digits

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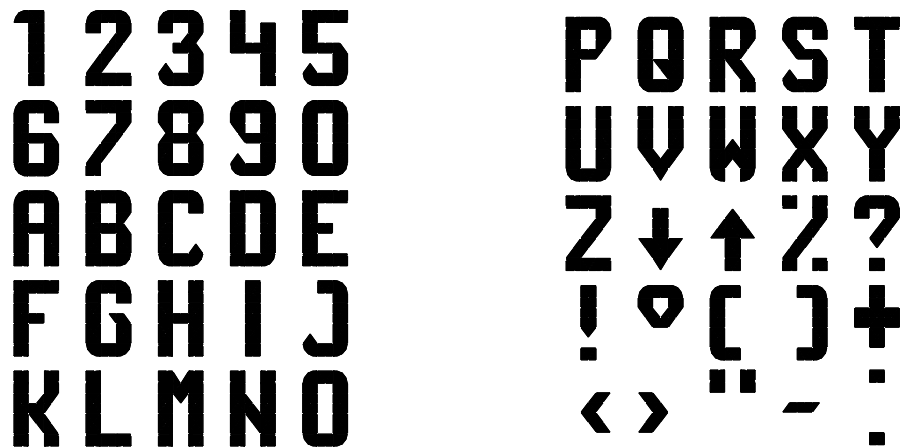


Figure 8 – Configurable ASCII Characters

ELECTRICAL FEATURES AND CONFIGURATION

- Power supply: 24 Vdc
- Emergency lighting incorporated (max.: 6 Vcc)
- Common of signals configurable through Jumper COM, except the KG and +PLF signals (Table 8):
 - + Common: all the signals have to be negative.
 - Common: all the signals have to be positive.
- Configurable position signals through MPX Jumper (Table 9):
 - in binary mode, maximum 32 characters.
 - in decimal modo, maximum 5 characters.
- Configurable standard sequence through switches:
 - S1 and S2 define the lowest level: -3, -2, -1, 0 (Table 2).
 - S3 and S4 define the sign of negative levels (left digit): -, S, P, B (Table 3)
 - S5 and S6 define the sign of level 0: 0, B, G, RC (Table 4).
 - S7 sets the existence of a level "E" between level "0" and "1" (Table 5).
- Programmable if expressly ordered, it enables configuration of any other ASCII character (Fig.8). Non-standard configurations require special software, so it should be stated when ordering the product.
- "Demo" mode option can be configured through switch 8 (Table 6).
- Overload indication option (signal KG), I light and acoustic blinking. Standard product will show the character "KG"; any other characters are possible, but require special software; so it should be stated when ordering the product.
- Direction arrows are configurable through switch 9 (Table 7).
- Connections through bolt terminal strips (Figure 9):
 - Power supply 24 Vdc: (+), (-).
 - Position signal in binary mode: A, B, C, D, E (A, less significant digit).
 - Position signal in decimal mode: A, B, C, D, E (A, lowest level).
 - Direction arrows: (↑), (↓)
 - Overload signal: KG

S7	S6	S5	S4	S3	S2	S1	SEQUENCE
0	0	0	0	0	0	0	0, 1, 2, 3,..., 31
					0	1	-1, 0, 1, 2,..., 30
					1	0	-2, -1, 0, 1,..., 29
					1	1	-3, -2, -1, 0,..., 28

Table 2 – Switches 1 and 2 on display

S7	S6	S5	S4	S3	S2	S1	SEQUENCE
0	0	0	0	0	1	0	-2, -1, 0, 1,..., 29
			0	1			P2, P1, 0, 1,..., 29
			1	0			B2, B1, 0, 1,..., 29
			1	1			S2, S1, 0, 1,..., 29

Table 3 – Switches 3 and 4 on display

S7	S6	S5	S4	S3	S2	S1	SEQUENCE
0	0	0	0	0	1	0	-2, -1, 0, 1,..., 29
	0	1					-2, -1, B, 1,..., 29
	1	0					-2, -1, G, 1,..., 29
	1	1					-2, -1, RC, 1,..., 29

Table 4 – Switches 5 and 6 on display

S7	S6	S5	S4	S3	S2	S1	SEQUENCE
0	0	0	0	0	1	0	-2, -1, 0, 1,..., 29
1							-2, -1, 0, E, 1,..., 28

Table 5 – Switch 7 on display

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S8	OPERATING MODE
0	NORMAL
1	DEMO

Table 6 – Switch 8 on display

S9	CONFIGURATION OF ARROWS
0	F AND G MAKE FUNCTION OF BINARY INPUTS (WITHOUT ARROWS)
1	WITH ARROWS

Table 7 – Switch 9 on display

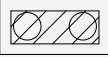

	ON	OFF
		
PROG	PROGRAMMING MODE	NORMAL MODE
COM	COMMON POSITIVE	COMMON NEGATIVE

Table 8 – Jumpers PROG and COM configuration



	ON	OFF
		
MPX	DECIMAL MODE 5 LEVELS (A, B, C, D, E)	BINARY MODE

Table 9 –Jumper MPX configuration

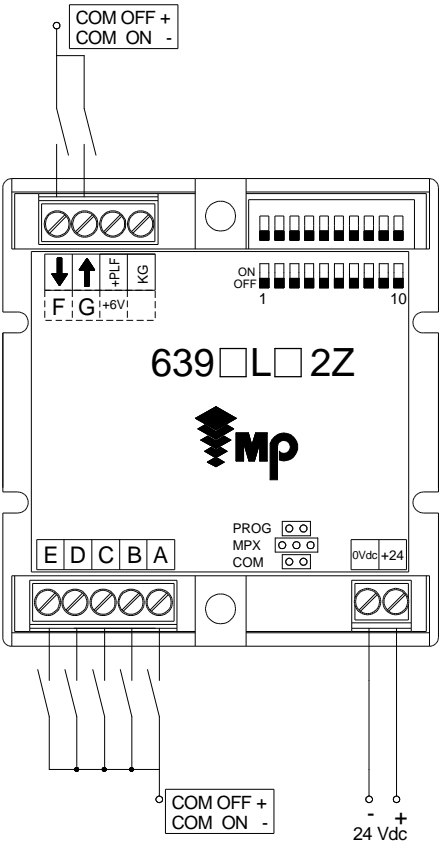


Figure 9 – Connection of Display 639