

KEYPAD MODULE

KPM-G22J2



KEY FEATURES

- + Integrated Dual 4 way Joysticks - with Limiter
- + White Backlit Keys With Green Status Indicator
- + Customizable key icons
- + CAN Bus Communications
- + Super Bright LEDs, Sunlight Readable
- + Waterproof Aluminium Housing

Keypad module **KPM-GC4J2** uses two 4-way Joysticks specifically engineered for demanding vehicle applications and 4 distinct keys. It is highly resistant to weather conditions and can survive extreme environments, what makes it perfect for installation outside or inside driver cabin. The keys are large, well-spaced and embossed, allowing a reliable pressure sensation with a tactile feedback even when wearing protective gloves. Each key has a large green LED Status Indicator above the icon. Since the KEY backlit LED are white and RGB (colour) the keypad can be used as combination of buttons and warning light indicators.

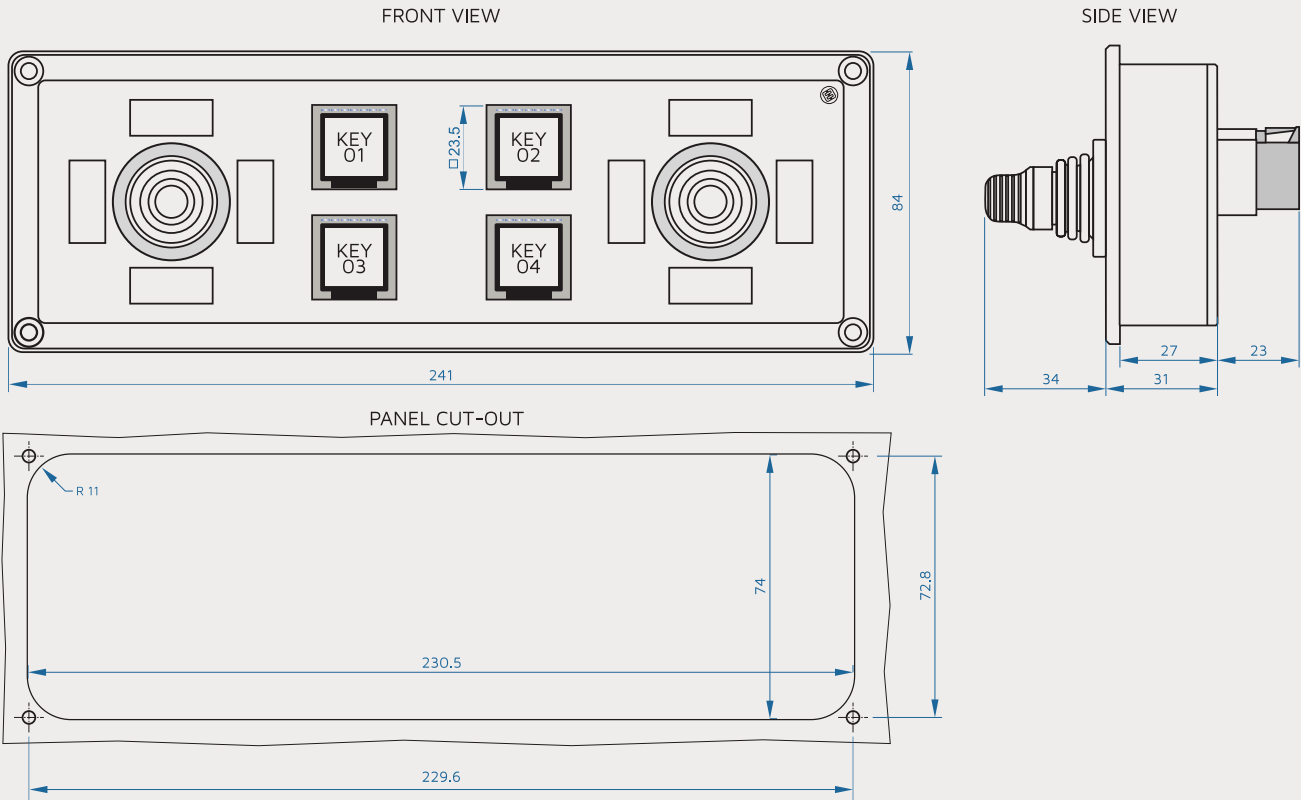
Keypad is programmable. Each key can be configured to operate as a switch or a push button. Key label graphics are customizable, white backlit and coloured according to function groups for easy recognition. Unused keys can be screened off with a dark label. Labels are inserted at the inner side of the front panel of the keypad. Several keypads located on different places can be connected over CAN BUS to collaborate.

Keypad modules series KPM-GC42J are a perfect solution for agriculture and municipal vehicles as well as in industrial sectors.

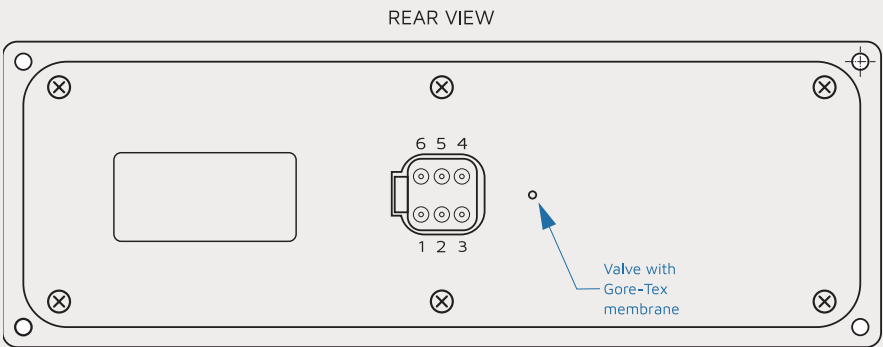
SPECIFICATIONS

POWER	
Supply Voltage	8-32 V DC
Current	0.5 A maximum
Electrical Protection	overvoltage, transients, reverse polarity, load dump
INTERFACES	
CAN	1 x CAN
CAN termination	configurable termination 120 ohm via DIP switch
CAN Link	T-connection, node ID definition via software
ENVIROMENT	
IP Class	IP67, waterproof
EMC Conformity	EN61000-6-2 noise immunity EN61000-6-4 radiation of interference
Temperature Range	storage -40° to +85°C (-40° to 185°F) operating -40° to +85°C (-40° to 185°F)
KEYS	
Key Backlite	white LED
Status Indicator	Super bright green LED bar
Icons	customizable key icons
Key Design	RIM-embossed keys with tactile feedback, dimesion 23 x 23 mm
Operating Life	>250.000 cycles
JOYSTICKS	
Level Action	4-way with 4-way Limiter, spring centering
Operating Force	5 N +/- 1N
Max. Load	Vertical 200 N, Horizontal 150 N
Angle of Movement	+/- 15°
Operating Life	>300.000 cycles
ENCLOSURE	
Housing Material	Aluminium
Mounting	in-dash, with 4 screws M4 or 3.5 mm (#8) tapping screws
Connector	Deutsch DT06-06S
SIZE & WEIGHT	
W x H x D	241 x 84 x 33 mm without connector
Weight	0.75 kg

DIMENSIONS



CONNECTIONS



CONNECTION DEUTSCH DT06-6S

PIN	Description
1	BATTERY + ("15")
2	CAN L
3	CAN L - shorted to PIN 2
4	CAN H
5	CAN H - shorted to PIN 4
6	BATTERY -

PRODUCT CODE

Ordering code example:

K	P	M	-	G	2	2	J	2			
SIGNAL INDIC.		KEY CONFIGURATION		JOYSTICKS		SPECIAL FEATURES / APPLICATION					
G: GREEN		22: 2-ROW, 2-COLUMN		J2: 2 JOYSTICKS							