



B22 and B30 Touch Button Operation Manual

KAPIX - with capacitive technology

1. Scope of Application

- Capacitive touch control button to limit TMS in environments Or hygiene is controlled
- The products are insensitive to splashing water and washing under pressure
- Tri-color LED lighting (red / green / orange or blue / yellow / white) with or without external control
- Momentary, bistable, delayed or delayed key, according to reference
- Connection to terminal without screw, cable or cord M12 / 8p male. The M12 / 8p female cords FKT-5M, FKT-10M, FKT-15M are available as an option on request
- One or two electronic contacts with closing or opening
- Protection IP 69K on the button and IP 67 on the back for cable versions, IP 40 for version Connector

2. Most Common Models

KAPIX “ON”

A specially designed button for start cycle or machine start actions. The color of the body is green with engraving on the key. The action follows the finger (momen- Tained). The button activates a normally open contact and two LED control inputs (red, green, orange).

Optional: Size: M22 (B22) or M30 (B30) and output: Terminal (C), 50cm of cable + Connector M12 / 8P (MKT50), Cable (3M).

Available Models:

B22-CV-10L-GGO-M-Gn-MKT50-ON

B30-CV-10L-RGO-M-Gn-MKT50-ON

B22-CV-10L-GGO-M-Gn-3M-ON

B30-CV-10L-RGO-M-Gn-3M-ON

KAPIX “OFF”

A button specially designed for “machine stop” type actions. The color of the body is red with engraving OFF on the button. The support must last 3s so that the Contacts switch. When the key is released, the contacts return to the Diately. The knob actuates a normally closed contact and an open contact. The LEDs light up Red (rest) then flashing red (action).

Optional: Size: 22 (B22) or 30 (B30) and output: Terminal (C), 50cm cable + M12 / 8P connector (MKT50), Cables (3M).

Available Models:

B22-CV-101C-RRS-M-Rd-C-OFF

B22-CV-101C-RRS-M-Rd-MKT50-ON

B30-CV-10C-RRS-M-Rd-C-OFF

B30-CV-101C-RRS-M-Rd-MKT50-ON

B22-CV-101C-RRS-M-Rd-3M-OFF

B30-CV-10C-RRS-M-Rd-3M-OFF

KAPIX “ACTIONS”

A button specially designed for actions of types directions or action of automatism. IThe body is black in standard, with an open contact and two LED control inputs.

Optional: Size: 22 (B22) or 30 (B30) and output: Terminal (C), 50cm cable + M12 / 8P connector (MKT50), Cables (3M).

Available Models:

B22-CV-10L-RGO-M-Bk-C

B22-CV-10L-RGO-M-Bk-MKT50

B30-CV-10L-RGO-M-Bk-C

B30-CV-10L-RGO-M-Bk-MKT50

B22-CV-10L-RGO-M-Bk-3M

B30-CV-10L-RGO-M-Bk-3

3. Special Models

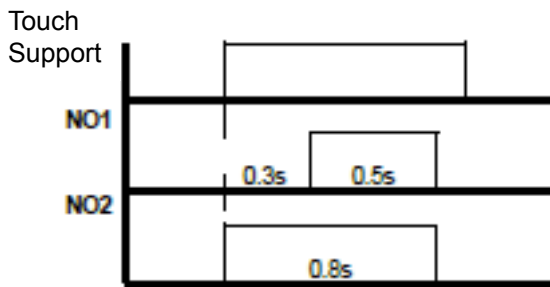
B22-CC-20L-RGO-D0.3-0.5P / 0.8-Bk-MKT or B30-CC-20L-RGO-D0.3-0.5P / 0.8-Bk-MKT

Generation of a calibrated pulse:

The duration of 0.3s avoids untimely triggering: Less during 0.3s to trigger contact NO1

The contact NO1 carries out a calibrated pulse of 0.5 s

The contact NO2 achieves a closing delay of 0.8s



B22-CC-20-RGO-2S-Bk-C or B30-CC-20-RGO-2S-Bk-C

Support for two thresholds:

Pressing the key closes the contact NO1

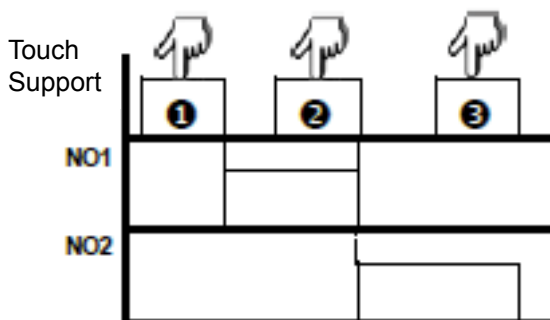
Pressing the key closes the NO2 contact



B22-CC-20-RGO-SEL-Bk-C or B30-CC-20-RGO-SEL-Bk-C

Three-position switch:

Each press of the key activates one of the contacts according to the OFF cycle, NO1, NO2, OFF. Other combinations are possible.



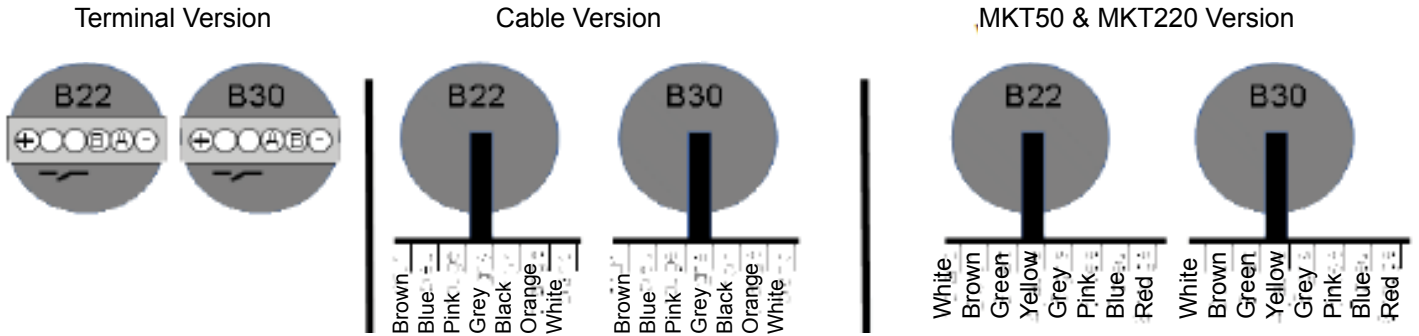
4. Selection Reference:

	<p>C xxdM MKT50 MKT220</p> <p>Bk Gn Rd Gy</p> <p>M T D</p> <p>2S SEL</p> <p>RGO BYW</p> <p>1O1C 2O 1OL 1O1CL</p> <p>2OL</p> <p>CV CC</p> <p>H Z</p> <p>B22 B30</p>	<p>Terminal connection with push button 1.5 mm² (excl 1O1CL and 2OL), IP40 Connection by 7-wire cable 0,25 mm² (except 1O1CL and 2OL), IP 67 Connection by cord 50 cm with connector M12 8-pole, IP 67 Connection by cord 220 cm with connector M12 8-pole, IP 67</p> <p>Black body Green body with engraving ON (Other colors on request) Red body with engraving OFF (Other engraving on request) Metal body gray</p> <p>Momentary action Bistable action Time-delayed action (hold-down = NO1 delayed on closing and support Momentary = NO2 delayed at opening): durations defined at the control</p> <p>Two thresholds: touch = contact NO1, press = contact NO2 3-position selector switch: OFF, NO1, NO2</p> <p>Light red orange green Lighting blue yellow white</p> <p>One NO contact and one NC contact Two NO contacts (only for action type D and 2S) One NO contact with external lighting One NO contact and one NC contact with external illumination (Only in MKT connection) Two NO contacts with external lighting (Only for action type D, 2S and MKT connection)</p> <p>Convex touch IP 69K: hygiene and easy cleaning Concave button IP 69K: prevents unwanted tripping, centering of the finger</p> <p>Option vibrator for B30: sensitive information Buzzer option for B30: auditory information</p> <p>Size M22 with diamond crown with 4 led Size M30 with diamond crown with 6 led (2 channels of 3 redundant LEDs)</p>
--	---	--

4. Panel mounting instructions 0.8 to 10mm:

- B30: drill the panel to 30,5mm
- B22: drill the panel to 22.5mm
- Position the seal, place the knob in the hole, tighten the nut.

6. Electrical wiring:



Version: 1O1C, 2O, 1OL

- 1: +24V
- 2&3: NO1
- 4&5: A = Red or Yellow
B = Green or Blue
Or
NO 2 or NF 1
- 6: 0V

Version: 1O1C and 2O

- White: NO1
- Brown: +24V
- Black: nothing
- Orange: NO2 or NF1
- Grey: NO1
- Pink: NO2 or NF1
- Blue: 0V

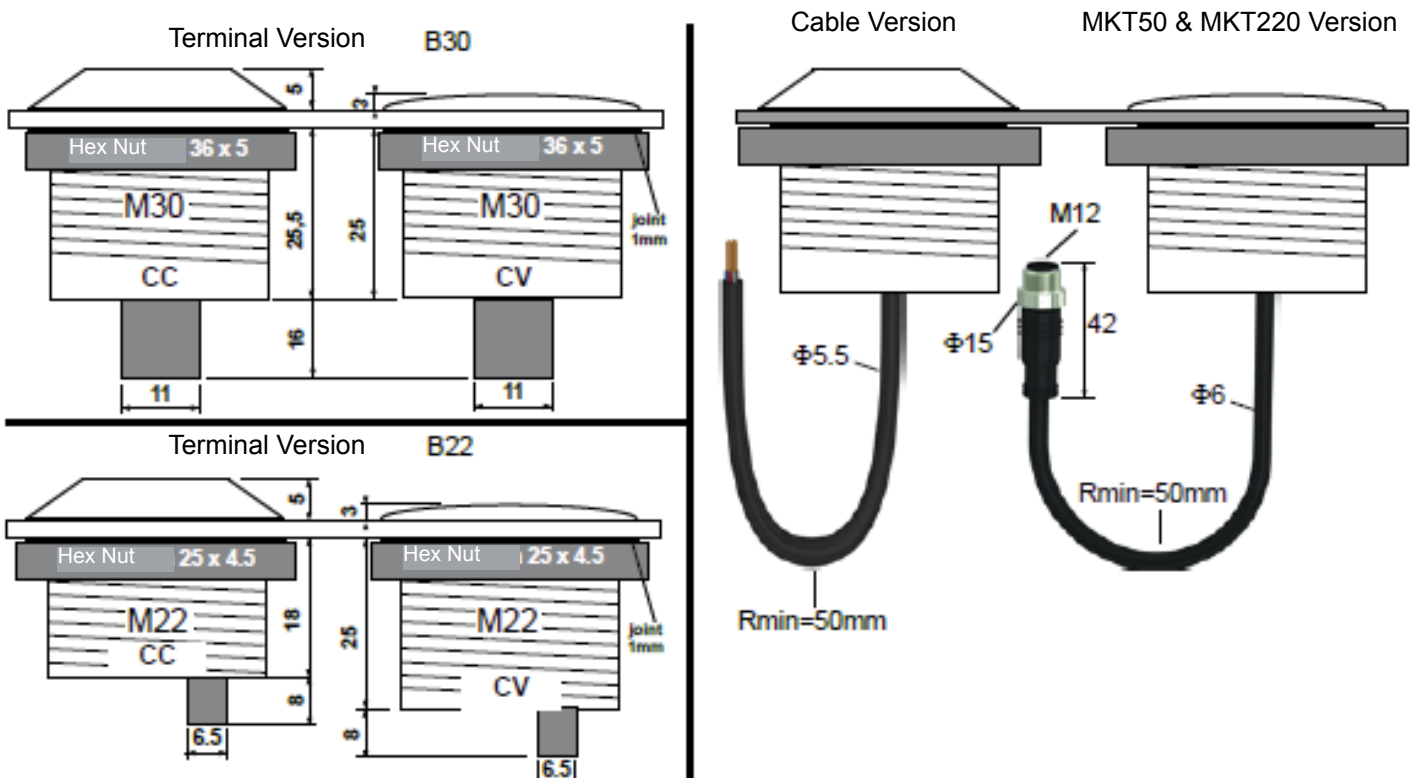
Version: 1OL

- White: NO1
- Brown: +24V
- Orange: green or blue
- Grey: NO1
- Pink: Pink or Yellow
- Blue: 0V

Version 1OL, 1O1CL, 2OL

- 1: NO1
- 2: +24V
- 3: Green or Blue
- 4: NO2 or NF1 (nothing for 1OL)
- 5: NO1
- 6: NO2 or NF1 (nothing for 1OL)
- 7: 0V
- 8: Red or Yellow

6. Electrical wiring:



8. Features:

Button B30

Supply voltage	20 to 30 VDC
Supply voltage 12V version	11 to 20 VDC
Maximum Supply Current	32 mA at 24V and 41 mA at 30 VDC
Option H or Z	H: + 25 mA Z: + 33 mA
Connection via push-button terminal	6 x conductors up to 1.5 mm ²
Connection by PUR cord MKT	8 x 0.25 mm ² / AWG24 (R curvature 50 mm min)
Connection with PVC cable	7 x 0.25 mm ² / AWG24 (R curvature 50mm min)
Lighting	6 tricolor LEDs (2 channels of 3 leds = + reliability)
Operating temperature	-25 ° C to + 60 ° C
Characteristics of contacts at -40 to +25 ° C	NO: 400 mA and NC: 200 mA
Contact characteristics at +60 ° C	NO: 300 mA and NC: 150 mA
LED control inputs	2.5 V <ON <40 V and 0 <OFF <1.1 V
Waterproofing	Front panel (touch panel): IP 69K Rear panel: cable / MKT: IP 67, connector: IP 40
40 Matter	Connector = 85 g, MKT50 = 125 g, MKT220 = 200 g
Weight with packaging	Connector = 85 g, MKT50 = 125 g, MKT220 = 200 g Cable 3m = 240 g

Button B22

Supply voltage	20 to 30 VDC
Supply voltage 12V version	NO
Maximum Supply Current	30 mA at 24 V and 34 mA at 30 VDC
Connection via push-button terminal	6 x conductors up to 0.5 mm ²
Connection by PUR cord MKT	8 x 0.25 mm ² / AWG24 (R curvature 50 mm min)
Connection with PVC cable	7 x 0.25 mm ² / AWG24 (R curvature 50mm min)
Lighting	4 tricolor leds
Operating temperature	-25 ° C to + 60 ° C
Characteristics of contacts at -40 to +25 ° C	NO: 400 mA and NC: 200 mA
Contact characteristics at +60 ° C	NO: 300 mA and NC: 150 mA
LED control inputs	2.5 V <ON <40 V and 0 <OFF <1.1 V
Waterproofing / Shock	Front panel (touch panel): IP 69K / IK 08 Rear panel: cable / MKT: IP 67, connector: IP 40
40 Matter	40 Matter TR90UV
Weight with packaging	Connector = 75g, MKT50 = 116g, MKT220 = 195g Cable 3m = 235g

9. Overview of the optional pictograms for B30-CC:



10. Overview of the Optional pictograms for B22-CC:



11. Advantages of our plastic material TR90UV:

The European Union has set the conditions for the use of polymers in contact with Directive 90/128 / EEC and its subsequent amendments, such as 02/72 / EC. According to these The product TR90UV meets the standards for contact with foodstuffs. The Directive has been transposed into the national legislation of the countries of the European Switzerland and Switzerland. Materials can only come into contact with food if their Various ingredients (additives, lubricants, etc.) are themselves permitted.

The qualities of TR90UV Comply with EU directives for repeated contact with food. The product TR90UV meets the requirements of ISO 10993 (EN 30993) for pro- Along with the skin.

- Excellent resistance to climatic aging
- Very nice transparency
- Remarkable dynamic resistance
- Very high chemical resistance
- Very high resistance to stress cracking
- Very high impact resistance

Chemical product	Product Resistance
Acetic acid 10%	...
Hydrochloric acid 1%	...
Formic acid 10%	..
Battery Acids (H2SO4 36%)	..
Diesel at the pump	...
Petrol, alcoholic	O
Ethanol 100%	O
Ethylenglykol / water 1: 1 (coolant)	...
ASTM Mineral Oil No. 3	...
Potash laundry 50%	...
Brake fluid (DOT 4)	...
Lubricant, mineral oil base	...
Lubricant, synthetic	...
Methanol 100%	O
N-Hexane	...
N-Hexane	...
Anti-limestone (aminosulphonic acid)	...

Key:

...	Resistant
..	Resistant subject. After prolonged contact, Changes in weights and dimensions, Irreversible alterations of property
O	Non-resistant. In part still usable in Certain conditions (short duration of action, Contact with drip)

Sterilization	Resistance
Water vapor 121 ° C, 1 bar 30 minutes / cycle	..
Water vapor 134 ° C, 2 bar 7 minutes / cycle	O
Gamma rays 8 total doses max. (30 kGy = 3 Mrad)	...
Gaseous ethylene oxide	...

Catalogues

Renu



RENU ELECTRONICS
Control, Visualisation and Communications

Factory Automation Simplified

CellTec

Segi Biz

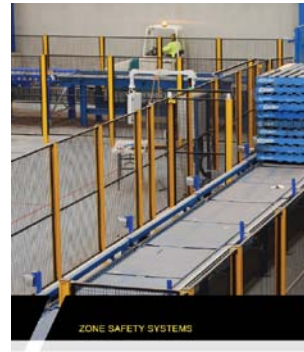


SEGI BIZ Terminal and Push Button Boxes

Efficiency Solutions for the Electrical Industry

CellTec

Zone Safety Systems



ZONE SAFETY SYSTEMS

Complete Solutions for the Machinery & Robotics Industry

ZONE
Safety Systems

CellTec Pty Ltd

8 Agosta Drive
Laverton North
Victoria, Australia 3026

Phone: +61 3 8360 8533
Fax: +61 3 8360 8544
E-mail: sales@celltec.com.au

CellTec Pty Ltd makes no warranties for the accuracy or currency of content and reserves the right to modify or change content and specifications without prior notice. Copying and reprinting of any kind is prohibited.
© 2013 CellTec Pty. Ltd.