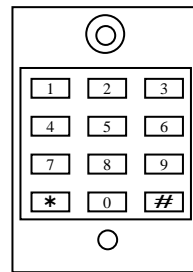




# KCP/BP 26W

## STAINLESS STEEL KEYPAD EXTERNAL PUSH BUTTON 26 BIT WIEGAND

WIRING DIAGRAM



**DO NOT Exceed a distance of  
5 meter between the keypad  
and the control unit**



To operate in 24V cut  
the wire before putting  
the power on

The keypad operates in 12 V.  
Cut the wire located at the  
top left in the back of the  
keypad to operate in 24V.

### WIRING

Cable	
White	Input voltage +12 V
Grey	Input voltage -12 V
Yellow	Data 1
Orange	Clock
Green	GND
Brown	Data 0

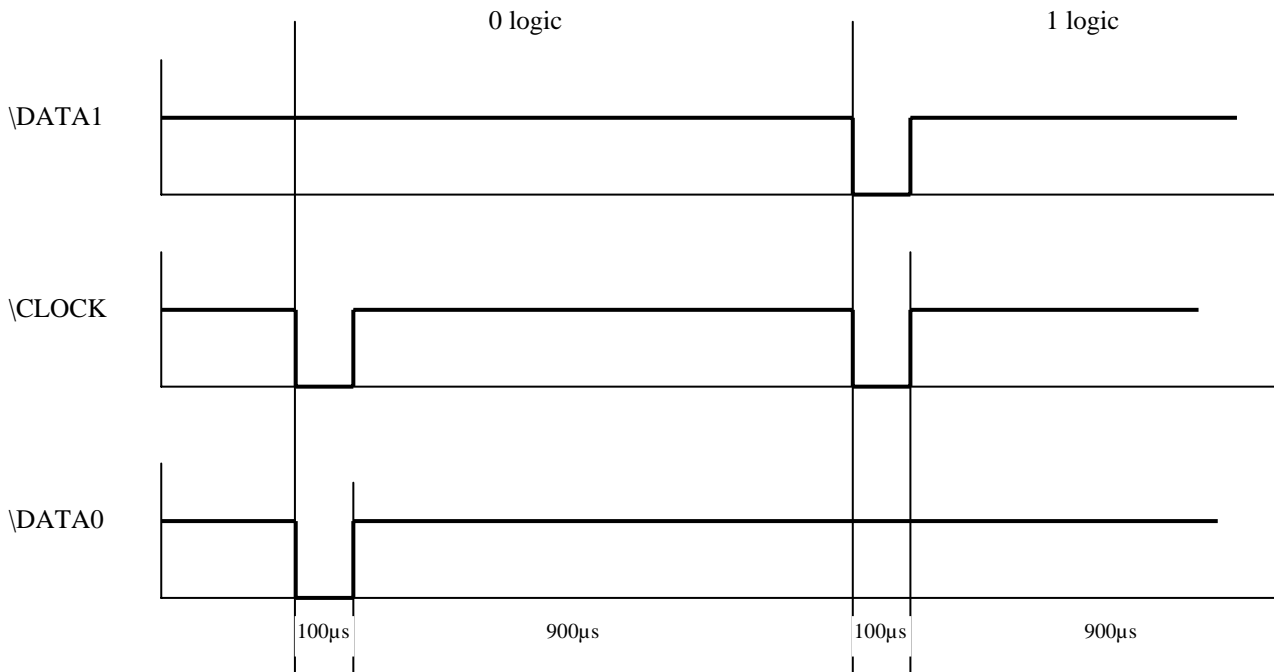
### VOLTAGE & PIN CODE LENGTH

**Field selectable voltage:** Cut the left wire to operate in 24 V

**Code length definition:** Cut the right wire to change the code length 4-digit PIN code



### Chronograms



#### Interface

The output format from the keypad is 26-bit Wiegand (Signal: DATA1, DATA0 and CLOCK)

Output signals in open mode

26 bit, hexadecimal format

The frame is made of 26 bits and built as follow:

First parity: 1 bit: even parity for the next 12 bit

PIN Code: 3 block of 1 byte representing the code entered

Second parity: 1 bit: odd parity of the previous 12 bits

Bit 1	Bit 2 ... bit 25	bit 26
Even parity on bit 2...bit13	Data (24 bit)	Odd parity on bit 14... bit 25

Example of a 4-digit PIN code: 1350 then #

1	0000	0000	0001	0011	0101	0000	1
Parity 1	0	0	1	3	5	0	Parity 2

The PIN code put in is: 001350 in hexadecimal

Example of a 5-digit PIN code: \*1350 then #

1	0000	1010	0001	0011	0101	0000	1
Parity 1	0	A	1	3	5	0	Parity 2

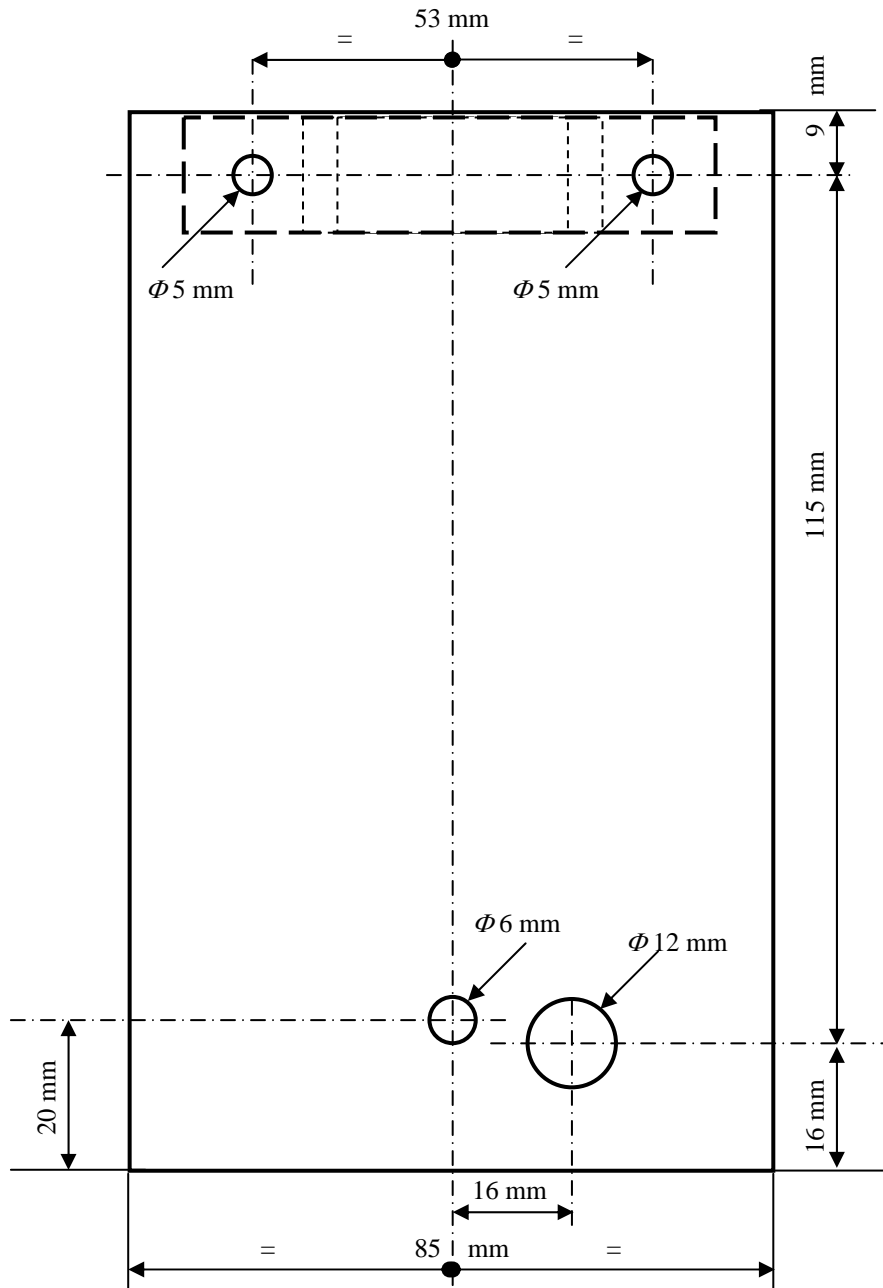
The PIN code put in is: 0A1350 in hexadecimal

Parity 1: 0 if the number of 1 from bit 2 to bit 13 is even  
1 if the number of 1 from bit 2 to bit 13 is odd

Parity 2: 0 if the number of 1 from bit 14 to bit 25 is odd  
1 if the number of 1 from bit 14 to bit 25 is even



### Template



- 5 mm** hole diameter
- 6 mm** hole diameter
- 12 mm** hole diameter

- To mount the bracket,
- Hole for the brass anchor,
- wiring access area.