Entrematic PID24
Microwave non-contact pushbutton

Fig. 1
Fig. 2
Fig. 3
Fig. 4

IP2114
Technical manual
DECLARATION BY THE MANUFACTURER
Manufacturer: DITEC S.p.A.
via Mons. Banfi, 3
21042 Caronno Pertusella (VA) - ITALY.

Herewith declares that the microwave non-contact push button PID24 is in conformity with the provisions of the following EC directives:
- R&TTE Directive 1999/5/EC
- EMC Directive 2004/108/EC

Caronno Pertusella, 20-09-2011
Marco Zini
(Managing Director)

GENERAL SAFETY PRECAUTIONS
This installation manual is intended for professionally competent personnel only.
Read the instructions carefully before beginning to install the product. Incorrect installation may be a source of danger.
Packaging materials (plastic, polystyrene, etc.) must not be allowed to litter the environment and must be kept out of the reach of children for whom they may be a source of danger.
Before beginning the installation check that the product is in perfect condition.
For repairs or replacements of product only original spare parts must be used. These instruction must be kept and forwarded to all possible future user of the system.
To handle electronic parts, wear earthed antistatic conductive bracelets.

1. TECHNICAL DATA
Power supply: 24 V AC/DC
Stand-by absorption: 50 mA
Operating absorption: 80 mA
Frequency: 24,150 GHz
Output contact: 30 V / 1 A max (resistive load)
Protection degree: IP43
Temperature: da -20° C a +55°C

2. REFERENCE
[1] Cover
[2] Sensor support frame
[3] Detection module
[5] Detection area range adjustment trimmer
[6] Container
[7] LED / Operating indicator
[8] Detection mode selection switch

3. INSTALLATION AND ELECTRICAL CONNECTIONS
(Fig. 1) Fix the container [6] securely to a flat surface or place a round recessed box (not supplied) in a position suitable for the designated use and placed as shown in fig. 1 and 3.
Make the connections to the command terminal board [4], as shown in Fig. 4.
WARNING: The product must be connected to an extra-low voltage power source (SELV = Safety Extra Low Voltage) which is protected from overcurrent and shortcircuited.

Fasten the sensor support frame [2] to the container using the supplied screws.
NB: Avoid placing items that may move in the detection area i.e. curtains, signs or plants.

4. ADJUSTMENTS
Selecting type of detection.
Select the type of detection using the selection switch [8].
T / TOGGLE: Toggle function.
A first detection closes the contact which remains closed until a second detection takes place.
P / PULSE: Pulse function.
A detection activates the contact for a short period of time (approx. 1 s).

Detection area adjustment
Adjust the detection area range by using the adjustment trimmer [5], as shown in the figure.

5. INDICATIONS
The LED [7] comes on when the output relay is activated.

6. TROUBLESHOOTING
<table>
<thead>
<tr>
<th>Problem</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>It does not work</td>
<td>Power supply voltage</td>
<td>Check the power supply</td>
</tr>
<tr>
<td>It does not always work</td>
<td>Sudden change in the detection area conditions</td>
<td>Check the installation conditions</td>
</tr>
<tr>
<td>It works by itself</td>
<td>There is an object in the detection area</td>
<td>Remove the object</td>
</tr>
<tr>
<td>The sensor is subject to vibrations</td>
<td>Install the sensor firmly</td>
<td></td>
</tr>
<tr>
<td>The sensor detects the moving door wing</td>
<td>Adjust the detection area correctly</td>
<td></td>
</tr>
</tbody>
</table>

All right reserved
All data and specifications have been drawn up and checked with the greatest care. The manufacturer cannot however take any responsibility for eventual errors, omissions or incomplete data due to technical or illustrative purposes.