CLAIMS

1. A push-button (1) as a house and building systems engineering control element (6),

   • with a part to be inserted in the wall (2) in which a circuit board (27 , 28) with microswitches (30 , 31 , 32 , 33) assembled thereon is also housed in addition to the binary input, and the part to be inserted in the wall (2) has a terminal compartment (25) for a KNX bushing,

   • the part to be inserted in the wall (2) forming a binary input consists of an upper casing part (9), a lower casing part (26) and a support ring (3),

   • the part to be inserted in the wall (2) having a rocker switch (12 , 13) and a rocker switch support (10) to house the rocker switch (12 , 13),

   • the rocker switch (12 , 13) having switch arms (16 , 17) actuating the microswitches (30 , 31, 32 , 33) through separate switch pushers (18 , 19 , 20 , 21) ,

   • a rocker of a conventional installation device program for sockets/switches/push buttons/dimmers being used as a control element (6) to switch of the rocker switch (12 ,13).

2. The push-button (1) according to claim 1, characterized in that the rocker switch support (10) has a shaft housing (8) provided with a straight support surface (11) to house a shaft (14) provided with a straight support surface (15), at least one compression spring (23, 24) elastically stressing the shaft (14), such that the straight support surfaces (11,15) are pressed against one another.

3. The push-button (1) according to claim 1, characterized in that the switch pushers (18, 19, 20, 21) have ribs (22) forming a stop towards the circuit board (27, 28).

4. The push-button (1) according to claim 1, characterized in that to demarcate the stop of the control element (6) damping elements (38) are provided.

5. The push-button (1) according to claim 4, characterized in that damping elements (38) are fixed to a securing element (35) engaging in housings (4) of a support ring (3) of the part to be inserted in the wall through retaining tabs (40) and thereby locking the cover frame (7) of a conventional installation device program for sockets/switches/push-buttons/dimmers in the part to be inserted in the wall (2).

6. The push-button (1) according to one of the preceding claims, characterized in that the part to be inserted in the wall (2) has an interface (42) for a programming device.

7. The push-button (1) according to one of the preceding claims, characterized in that the part to be inserted in the wall (2) has a programming push-button (43) to start the operation.

8. The push-button (1) according to one of the preceding claims, characterized in that the upper casing part (9) and the lower casing part (26) being attached to one another through a retaining element (29).

CLAIMS

1. A push-button (1) as a house and building systems engineering control element (6),

· with a part to be inserted in the wall (2) in which a circuit board (27, 28) with microswitches (30, 31, 32, 33) assembled thereon is also housed in addition to a binary input, and the part to be inserted in the wall (2) has a terminal compartment (25) for a KNX bushing,

· the part to be inserted in the wall (2) forming the binary input consists of an upper casing part (9), a lower casing part (26) and a support ring (3),

· the part to be inserted in the wall (2) having a rocker switch (12, 13) and a rocker switch support (10) to house the rocker switch (12, 13),

· the rocker switch (12, 13) having switch arms (16, 17) actuating the microswitches (30, 31, 32, 33) through separate switch pushers (18, 19, 20, 21),

· switch pushers (18, 19, 20, 21) have ribs (22) forming a stop towards the circuit board (27, 28),

· a rocker of a conventional installation device program for sockets/switches/dimmers being used as a control element (6) to switch of the rocker switch (12, 13).

2. The push-button (1) according to claim 1, characterized in that the rocker switch support (10) has a shaft housing (8) provided with a straight support surface (11) to house a shaft (14) provided with a straight support surface (15), at least one compression spring (23, 24) elastically stressing the shaft (14), such that the straight support surfaces (11, 15) are pressed against one another.

3. The push-button (1) according to claim 1, characterized in that to demarcate the stop of the control element (6) damping elements (38) are provided.

4. The push-button (1) according to claim 3, characterized in that the damping elements (38) are fixed to a securing element (35) engaging in housings (4) of a support ring (3) of the part to be inserted in the wall through retaining tabs (40) and thereby locking the cover frame (7) of a conventional installation device program for sockets/switches/dimmers in the part to be inserted in the wall (2).

5. The push-button (1) according to one of the preceding claims, characterized in that the part to be inserted in the wall (2) has an interface (42) for a programming device.

6. The push-button (1) according to one of the preceding claims, characterized in that the part to be inserted in the wall (2) has a programming push-button (43) to start the operation.

7. The push-button (1) according to one of the preceding claims, characterized in that the upper casing part (9) and the lower casing part (26) being attached to one another through a retaining element (29).