SECURITRON

ASSA ABLOY

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SECURITRON KP1 SERIES KEYSWITCH PANELS
INSTALLATION AND OPERATION INSTRUCTIONS

1. DESCRIPTION

The KP1 series keyswitch panel consists of an SPDT keyswitch with 7 Amp contacts mounted on a plate. A bicolor LED indicator is also supplied. The KP1 can be used for electric lock control, alarm panel arming and similar requirements.

The part numbering for the series works as follows: KP1 denotes a brushed stainless steel single gang outlet box cover mount and KP1N denotes a stainless steel 1 3/4" narrow style plate. The unit is delivered with a spring loaded momentary SPDT keyswitch or alternate action with (suffix "A"). Two keys and a backbox (Securitron part number 560-10200) are supplied.

2. KEYING

As Securitron is not a cylinder manufacturer, we can only supply limited support for different keying requirements. If additional keys are required, they can be cut by a locksmith who has the ability to cut tubular keys. Note that the same cylinder is used for momentary or alternate switching. The cylinder is convertible from one function to the other. Conversion is fairly difficult however, so we sell the two versions separately.

When we receive a quantity order, it is keyed alike unless we are advised differently. If later, a requirement arises for delivery of additional cylinders with the same keying, they will generally not be in stock. We continually change stock cylinder/key numbers to maintain good security. Additional units to match ones that have already been delivered can be furnished but it can take up to 8 weeks. Alternately, locksmiths can rekey KP1 type cylinders in the field.

3. ELECTRICAL CONNECTIONS

The keyswitch itself has color coded wires soldered to it as follows: Red = Common; Black = Normally Closed; White = Normally Open. The bicolor LED (Securitron part number 030-12500) can illuminate red or green and has 3 wires attached to it: Red, Green and Black. Black is common DC negative. Red is the +VDC input to illuminate red. Green is the +VDC input to illuminate green. Note that the black wire has 2 resistors on it. **If the resistors are left as they are, the LED will operate on 24 volts. For 12 volt operation, remove the outer resistor**. With this set up, you can use either color for your indicator or alternate red and green to show 2 different conditions. The LED's could be operated, for instance, from an SPDT switch to change colors. **You cannot, however, drive both sides of the LED at the same time** (the indicator would show orange) or the resistors will be overloaded. If you need to be able to drive both colors at the same time to display a third (orange) condition, remove both resistors on the black wire and connect individual resistors on the red and green wires. The values are: 620 Ohms 1/2 watt for 12 V and 1300 Ohms 1 watt for 24 V.

N.C.= BLACK
COM= RED
N.O.= WHITE

KEYSWITCH

BICOLOR LED

GREEN LED WIRE (+)
BLACK LED WIRE (NOTE RESISTORS)
RED LED WIRE (+)

BOTH LED COLORS OPERATE ON 24 VOLTS AS DELIVERED. REMOVE THE OUTER RESISTOR TO OBTAIN 12 VOLT OPERATION.

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