

LUTRON®

For Your Information ...

Multiganging HWV-KP10, -KP5, -KP-LB6, and -IP5 HomeWorks™ Keypads

APPLICATION NOTE
#28

Overview

HomeWorks™ Keypads HWV-KP10, -KP5, -KP-LB6, and -IP5 may be multiganged together and with other controls. However, these keypads are composed of plastic yokes and the following guidelines should be followed to ensure proper multiganging.

Guidelines

1. HWV-KP10, -KP5, -KP-LB6, and -IP5 **can not** be multiganged with a fins-broken configuration. It is important to note that:

- a. To break fins the plastic yoke holding the unit must be cut in such a way as to severely decrease the rigidity of the unit. When ganged next to another device, a strong button press on the side of the cut could concave the plate and devices. In addition to an appearance of reduced quality and an unnatural mechanical feel to the end user, the press can have a chronic effect on the solder terminations on the PC board.

- b. To cut the yoke enough to fit you must cut dangerously close to the PC board. There is less than a millimeter tolerance available leaving a good probability of damage.

Cutting the yoke will void the warranty.

2. The chart below lists the proper wallbox quantity used for multiganging any of these HomeWorks Keypads with other standard devices. The number where a row and column intersect is the quantity of wallboxes required.

Number of Large Controls	Number of Small Controls						
	0	1	2	3	4	5	6
0	0	1	1+1	4	4+1	7	7+1
1	1	3	5	6	8	9	11
2	4	6	7	9	10	12	13
3	6	8	10	11	13	14	16
4	9	11	12	14	15	17	18

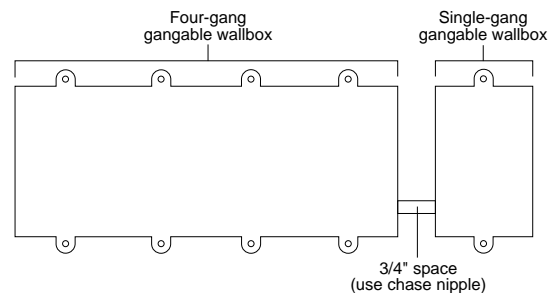
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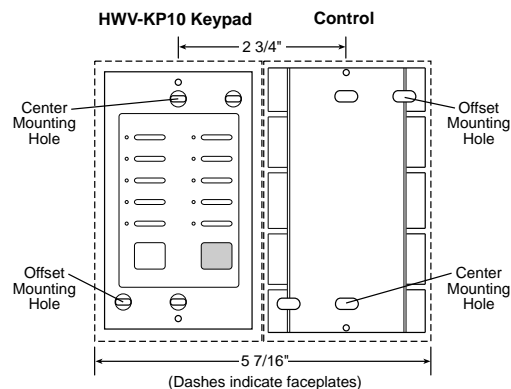
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Other countries call (610) 282-3800

Note: Use metal wallboxes with tapered ears when ganging an even number of small controls with no side sections removed. Do not use plastic rings or gangable box covers. Space the additional wallbox 3/4 inch apart from the other wall box(es). A 3/4 inch chase nipple is recommended as a spacer between the wallboxes.

Example: The wallbox arrangement required for ganging four small controls with side sections intact:



3. For proper alignment of these HomeWorks Keypads with other small controls, allow 2 3/4 inches between the centers of adjacent controls as shown in the diagram below. This distance allows for proper fit of faceplates.



Note: Place a small control on one end of the gang and a large control at the other end of the gang when ganging any combination of small and large controls. Use center and offset mounting holes as necessary.

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