

wherein the left and right locking claws are urged by respective third and fourth springs to engage the left and right locking posts respectively unless released by the engagement pin.

13. The switch of claim 12, further comprising:
a shaft support fixed to the housing;
wherein the outer shaft slides within the shaft support;
wherein the engagement pin extends through respective slots in the outer shaft and the shaft support; and
wherein the axle of each locking claw is fixed to the shaft support.

14. The switch of claim 12, further comprising:
left and right spring blocks slidably mounted in a chamber for the second spring in the inner shaft, wherein the second spring spans between the spring blocks; and
left and right guide pins on the respective spring blocks, wherein the guide pins extend through an inner guide slot in the inner shaft into an outer guide slot in the outer shaft;

wherein rightward movement of the inner shaft moves the left spring block rightward, compressing the second spring, causing the right guide pin to push rightward against a right end of the outer guide slot; and
wherein leftward movement of the inner shaft moves the right spring block leftward, compressing the second spring, causing the left guide pin to push leftward against a left end of the outer guide slot.

15. The switch of claim 12 further comprising:
output leads in the housing that are electrically connected to corresponding ones of the fixed contacts;
a cable adapter plug in the housing, comprising a plurality of outwardly-extending pin-out conductors that pass inwardly through the cable adapter plug to corresponding adapter input pins in the housing; and
a flexible circuit that is folded into a chamber in the housing between the output leads and the input pins;
wherein the flexible circuit electrically interconnects the output leads to corresponding ones of the input pins and converts the lead configuration to a different pin configuration of a particular client cable plug.

16. The switch of claim 15 wherein the flexible circuit comprises:

a ribbon portion with first and second end portions, wherein the first end portion comprises a first plurality of holes corresponding to the output leads, and the second end portion comprises a second plurality of holes corresponding to the adapter input pins; and
conductive traces on the flexible circuit between corresponding ones of the first and second plurality of holes.

17. The switch of claim 1 further comprising: a pin-out adapter block in a right end of the housing, the pin-out adapter block comprising pin-out conductors disposed in a pin configuration matching a particular client cable plug;

a flexible circuit that electrically connects selected output leads from the fixed contacts to selected ones of the pin-out conductors to match the pin configuration of the particular client plug, adapting the switch to the particular client cable plug.

18. The switch of claim 17 comprising a set of adapter blocks and flexible circuits that provide a selectable integrated pin-out connector in the switch for different client cable plugs.

19. The switch of claim 7 further comprising:

a pin-out adapter block in a right end of the housing, the adapter block comprising pin-out conductors disposed in a pin configuration matching a particular client cable plug;

a flexible circuit that electrically connects selected output leads from the fixed contacts to selected ones of the pin-out conductors to match the pin configuration of the particular client plug, adapting the switch to the particular client cable plug.

20. The switch of claim 19 comprising a set of adapter blocks and flexible circuits that provide a selectable integrated pin-out connector in the switch for different client cable plugs, wherein at least one flexible circuit of the set electrically connects only a subset of the output leads to the pin-out conductors of one of the adapter blocks of the set.

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