

TKX65xxC

Central Battery System



SYSTEM DESCRIPTION

Central Battery Systems in the TKX65C series offer an effective solution for supplying a moderate number of lights. They are especially suited for mid-sized to large premises where it is desirable to divide the central system into multiple independent regions.

The central unit input voltage is 230VAC. The output voltage is 230VAC in normal mode and 216VDC in battery mode. The battery voltage is 216V which is achieved by connecting eighteen 12 volt batteries in series.

In addition to the normal emergency lighting functions, central battery units in the TKX65C series makes it possible to test automatically the condition of the central unit itself and the luminaires connected to it.

The testing of luminaires is based on individual addresses and the communication is by means of the power supply cables. Thus there is no need for any separate data cabling between the luminaires. The luminaires must be of the Teknolux model number ending in the letter K or they must have a separate address module. Utilisation of these luminaires also enables the connection of maintained and non-maintained luminaires to the same circuit and allows local supply monitoring using Local Controller or Intelligent Controller which can also be used to control the non maintained emergency luminaires.

These central units have, depending on the models, either 8, 16 or 24 output circuits, which can be set to function as maintained or non-maintained. A maximum of 16 addressable luminaires can be connected to one circuit.



FEATURE & BENEFITS

- Reliable solutions as each panel has dedicated batteries and operates independently.
- 8, 16 or 24 output circuits panel options available
- Max. 16 luminaires per circuit
- Max. 250W load capacity per circuit
- Charger designed as per EN50171 standard for 80% recharge in 12 hours
- Panel tested and certified to EN50171 standard by SGS Fimko.
- Lower installation costs as no dataline is required
- Maintained, Non-maintained, Switch maintained can be connected on the same circuit.
- All connected luminaires can be automatically searched and updated on the panel
- Electronics and batteries are in independent cabinets offering flexibility in installation, especially where space is a constraint.
- Electronics cabinet is compact and can be wall mounted.

TECHNICAL DATA

- Input voltage - 220-240VAC
- Output voltage under normal conditions - 220-240VAC
- Output voltage in battery mode 216VDC
- Battery voltage of 216V is generated by 18 pieces of 12V batteries connected in series.

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Product Code	Max Input Power (mains)	Number of Circuits/ Outputs	Max Total Load			Weight (kg)
			Mains Operation	1Hr Battery Operation	3Hr Battery Operation	
TKX6508C	3100VA	8 circuits each 250W	2000VA	2000W	2000W	29.5
TKX6516C	3680VA	16 circuits each 250W	2580VA	4000W	3340W	30.0
TKX6524C	3680VA	24 circuits each 250W	2580VA	6000W	3340W	30.5

- Output voltage: 230 V AC/DC
- Batteries: 18 x 12 V (216 V)
- Max battery capacity: 65 A
- Nominal supply voltage: 1~N/PE 220-240 VAC 50Hz
- Required short circuit current when using 1.6A fuse, applying 0.4 tripping time:7A
- Max battery capacity: 65Ah
- Max load inrush current (single circuit) 120A/1ms

OPTIONAL FEATURES

Product Code	Product Description	For
TST6531	Integrated Printer	TKX65xxC
TST6532	LCD Display Module	TKX65xxC
TST6551	IC Interface for 8 circuits each 250 W	TKX6508C
TST6552	IC Interface for 16 circuits each 250 W	TKX6516C
TST6553	IC Interface for 24 circuits each 250 W	TKX6524C
Central Monitoring Options		
TST6501	BACnet Interface	TKX65xxC
TST6521	ACM Interface	TKX65xxC
TST6524	WebCM/ WebACM-Interface	TKX65xxC

DIMENSIONS

