

Mobile Power Pack



The Mobile Power Pack is an external battery that enables power to be supplied temporarily to the MicroLogic X control unit. The Mobile Power Pack enables use of the MicroLogic X display screen and keypad for setting and displaying when the power supply to the MicroLogic X control unit is interrupted. The external Mobile Power Pack can be connected by using a USB cable connected to the mini USB port on the MicroLogic X control unit.

Check the charge level of the Mobile Power Pack by pressing the test button for one second. The indicator on the Mobile Power Pack lights up to indicate the remaining charge.

NOTE: During periods of setting, commissioning, testing, and maintenance, a smartphone (with USB OTG connection) or a PC connected through mini USB port also provide a temporary power supply.

Internal Battery

When no other power supply is supplying the MicroLogic X control unit, the internal battery powers:

- The trip cause LEDs
- The service LED
- The internal clock (date and time)
- The maintenance schedule function

ULP Module Consumption

The following table lists the ULP module consumption:

Module		Typical consumption (24 Vdc at 20 °C/68 °F)	Maximum consumption (19.2 Vdc at 60 °C/140 °F)
MicroLogic X control unit for MasterPact MTZ circuit breaker	with external 24 Vdc power supply	200 mA	300 mA
	supplied through mini USB port	400 mA	500 mA
	supplied through ULP port module	200 mA	335 mA
M2C programmable contacts		25 mA	45 mA
ESM ERMS switch module		25 mA	45 mA
IFE Ethernet interface for one circuit breaker		100 mA	140 mA
IFE Ethernet switchboard server		100 mA	140 mA
EIFE embedded Ethernet interface for one MasterPact MTZ drawout circuit breaker		115 mA	180 mA
IFM Modbus-SL interface or one circuit breaker		21 mA	30 mA
IO input/output application module for one circuit breaker		100 mA	130 mA
ULP port module for MasterPact MTZ circuit breaker		0 mA	0 mA