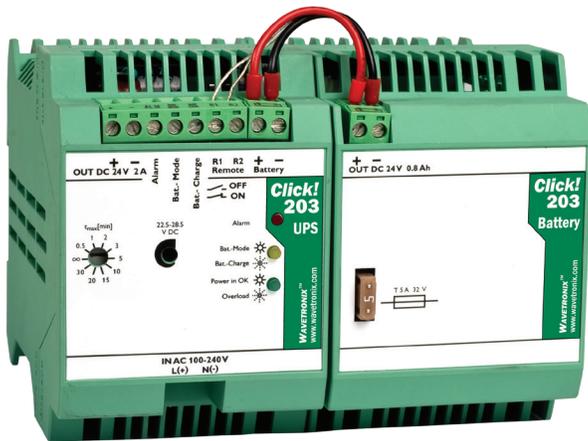


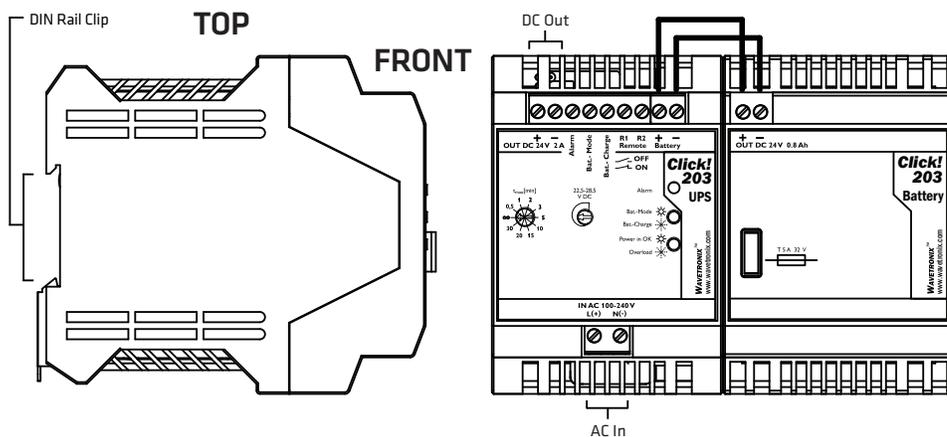
The Click 203 is a combination uninterrupted power supply and battery, keeping power supplied to your equipment even when the external power source goes out. The UPS converts AC power to DC, with a 2 A output, and the battery will keep a SmartSensor running for up to 30 minutes in the case of a power loss.



Note. Because the Click 203 is a power supply, if you are using one, you do not need a Click 202 or 204.

Physical Features

The Click 203 has the following physical features.



UPS Module

The UPS module features three pluggable screw terminal blocks. The screw terminal block on the bottom of the module has two screw terminals for wiring AC power in. The top of the module has two screw terminal blocks situated next to each other: the block on the right has two screw terminals for wiring to the battery, and the block on the left has seven screw terminals, for DC out, among other things. Wiring the device will be discussed later in the document. The screw terminals are removable for easy preinstallation wiring.

The UPS module has three LEDs on the faceplate. See the On-device Configuration section for information on these LEDs.

The faceplate also features two adjustable features, the potentiometer and the buffer time selector switch. See the On-device Configuration section for more information.

Battery Module

The battery module has a screw terminal block on top for wiring to the UPS module. There's also a fuse on the faceplate of the module to protect the battery in case of a short.

Note. *The battery fuse must be removed when installing or replacing the module.*

Installation

Use the following tables to wire the UPS and battery.

Wiring into the UPS Module

Terminal	Connection
L (+)	AC line (black) in
N (-)	AC neutral (white) in

Note. *Ensure power to AC mains is disconnected while wiring the AC input.*

Wiring out of the UPS Module

Terminal	Connection
+	+DC out (red)
-	-DC out (black)
Alarm	Active switching output (see Signaling Outputs section)
Bat.-Mode	Active switching output (see Signaling Outputs section)
Bat.-Charge	Active switching output (see Signaling Outputs section)
R1	Remote terminal (see Remote Shutdown section)
R2	Remote terminal (see Remote Shutdown section)

Terminal	Connection
Battery +	+DC to battery (red)
Battery -	-DC to battery (black)

Remote Shutdown

The R1 and R2 screw terminals are used for the remote shutdown function. When remote shutdown is active, the UPS does not switch over to the buffer mode in the event of a supply voltage failure; the device switches off. The rechargeable battery module is charged when the supply voltage is reconnected, but the device remains switched off until R1 and R2 are shorted. To activate remote shutdown, do not short-circuit the terminals.

For normal Click 203 operation—the UPS switches over to buffer mode in the event of a supply voltage failure—remote shutdown should be deactivated. To deactivate remote shutdown, short-circuit the terminals (i.e. with a plug-in bridge).

On-device Configuration

The Click 203 has several features for monitoring and configuring the operation of the module.

The buffer time selector switch, marked with numbers around the circumference, can be used to set how long the device will remain in buffer mode before automatically turning off. Insert a small screwdriver into the hole and twist until the arrow in the screw head is pointing to the time you want. The switch has times from half a minute to thirty minutes, or you can set it to remain on continuously by turning the dial to the ∞ sign. If the switch is set to the continuous option, the Click 203 will run until the battery is discharged and then turn off.

The potentiometer, marked “22.5-28.5 V DC,” can be used to set the DC output voltage. Insert a small screwdriver into the hole and twist clockwise to raise the voltage and counterclockwise to lower it. Change this setting only if instructed to do so by Wavetronix Support.

Signaling Outputs

The Click 203 features three signal outputs: alarm, battery mode and battery charge. These outputs work in conjunction with the three LEDs to monitor module operation. See the table below for an explanation of how these outputs and LEDs work.

State	Power in OK (green)	Battery mode/Battery charge (yellow)	Alarm (red)
Supply voltage OK, rechargeable battery is being charged	LED on	LED is flashing; battery mode output: 0 V, battery charge output: 24 V	LED off; output: 0 V
Supply voltage OK, rechargeable battery charged (normal mode)	LED on	LED off; battery mode / battery charge output: 0 V	LED off; output: 0 V
Buffer mode	LED off	LED on; battery mode output: 24 V, battery charge: 0 V	LED off; output: 0 V
Rechargeable battery discharged, UBAT < 20.4 V DC	LED off	LED on; battery mode / battery charge output: 0 V	LED on; output: 24 V
Rechargeable battery test negative	LED on	LED off; battery mode / battery charge output: 0 V	LED on; output: 24 V
Buffer time over and remote shutdown activated	LED off	LED off; battery mode / battery charge output: 0 V	LED off; output: 0 V