

# Busways Trunking Temperature Monitoring System

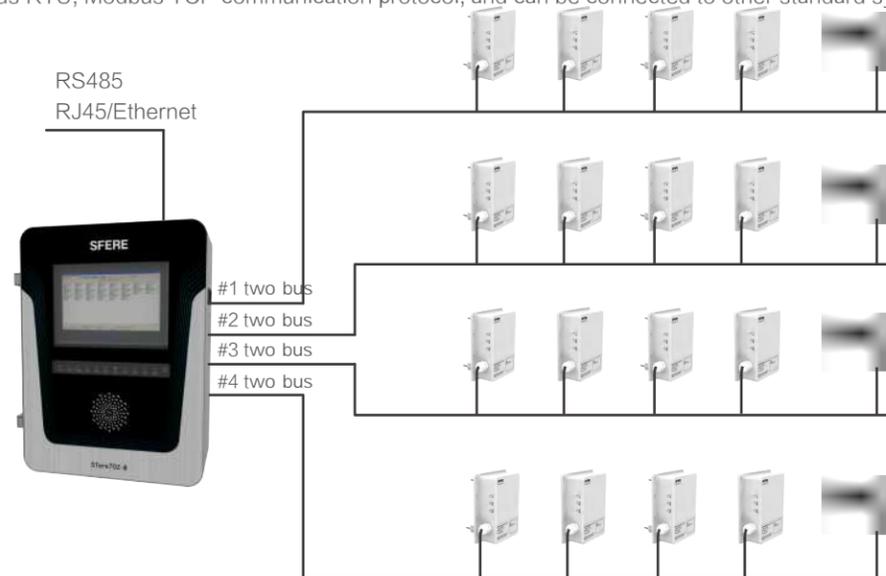
## Introduction

As a new type of power supply main line, Busways trunking has been widely used in power distribution design and a lot of tall buildings and large workshops. Sfere702 Busways trunking temperature monitoring system is composed of monitoring host and temperature and humidity acquisition module, which is used to monitor the temperature of low-voltage Busways. The main monitoring temperature includes: the temperature of Busways connection (the temperature of each contact point), the temperature of Busways shell, the environment temperature, etc., and can display, upload, store and alarm the data in the monitoring unit.



## Structure

Sfere702 Busways temperature monitoring system is composed of monitoring host, temperature and humidity acquisition module and temperature sensor. The system adopts fire two bus network, each branch can be connected with 128 modules, which can support bus connection, T-shaped connection, star connection, etc., so the system is easy to implement; the system adopts DC24 V safe voltage power supply, the system is safe and reliable, the monitoring host has RS-485, RJ45 Ethernet interface, provides Modbus RTU, Modbus TCP communication protocol, and can be connected to other standard systems.



## Function



	Sfere702-B	Sfere702-BM	Sfere702-BS
Bus type	Nonpolarity two bus	Nonpolarity two bus	Nonpolarity two bus
Monitoring capacity (module available)	Sfere702-B-2: 2 buses 2*128 = 256 modules	Sfere702-BM-2: 2 buses 2*128 = 256 modules	Sfere702-BS-2: 2 buses 2*128 = 256 modules
	Sfere702-B-4: 4 buses 4*128 = 512 modules		
Size	420(W) X 560(H) X 195(D) 587(H)(Waterproof joint)	298(W) X 398(H) X 155(D) 425(H)(Waterproof joint)	298(W) X 398(H) X 155(D) 425(H)(Waterproof joint)
External communication interface	1*RS232 1*RS485 1*RJ45 (2 more optional)	1*RS485 1*RJ45	1*RS485 1*RJ45
Display	10 inch HMI	7inch HMI	—
Input/output	2*DI/ 4*RO	2*RO	2*RO
Sound and light alarm	Buzzer, LED indicator	Buzzer ( HMI )	LED indicator
Backup power supply	Two 12V / 12Ah batteries	—	—
Print function	Micro printer	—	—
Installation	Wall type	Wall type	Wall type



	Sfere702-TA	Sfere702-TB	Sfere702-H
Monitor location	Busbar connection point	Busbar house	Any place
Module power supply	M-Bus DC24V	M-Bus DC24V	M-Bus DC24V
Bus type	Nonpolarity two bus	Nonpolarity two bus	Nonpolarity two bus
Loops	4 loops temperature	8 loops temperature	1 temperature/1 humidity
Temperature probe	Probe type	Circular hole contact type	Built in
Display	—	—	LCD
Dimensions	127*103*40	127*103*40	116.8*86*41.55