

SUPREMA_{Touch}

Pre-Configured Fire & Gas Control System



MSA's permanent gas detection systems are installed across a wide range of industries to protect employees and facilities from fire and hazardous gases.

As a highly experienced designer and manufacturer of gas and flame detection equipment, MSA provides the optimum combination of detectors, field devices, components and systems.

The **SUPREMA_{Touch} Controller** can be used with a wide range of detectors including flammable and toxic gas, oxygen, smoke, fire and heat as well as manual call points. Different outputs are provided, including relays and 4–20 mA, while interfacing to external systems is provided using Modbus or Profibus. Remote racks can be connected using digital communication. Designed around standard industrial 19" racks, the SUPREMA_{Touch} provides signal processing for up to 256 sensor inputs and 512 relay outputs.

It can be configured to meet the requirements of even the most demanding of applications, including redundant systems up to SIL 3 and complies with all relevant global safety standards such as ATEX and SIL.

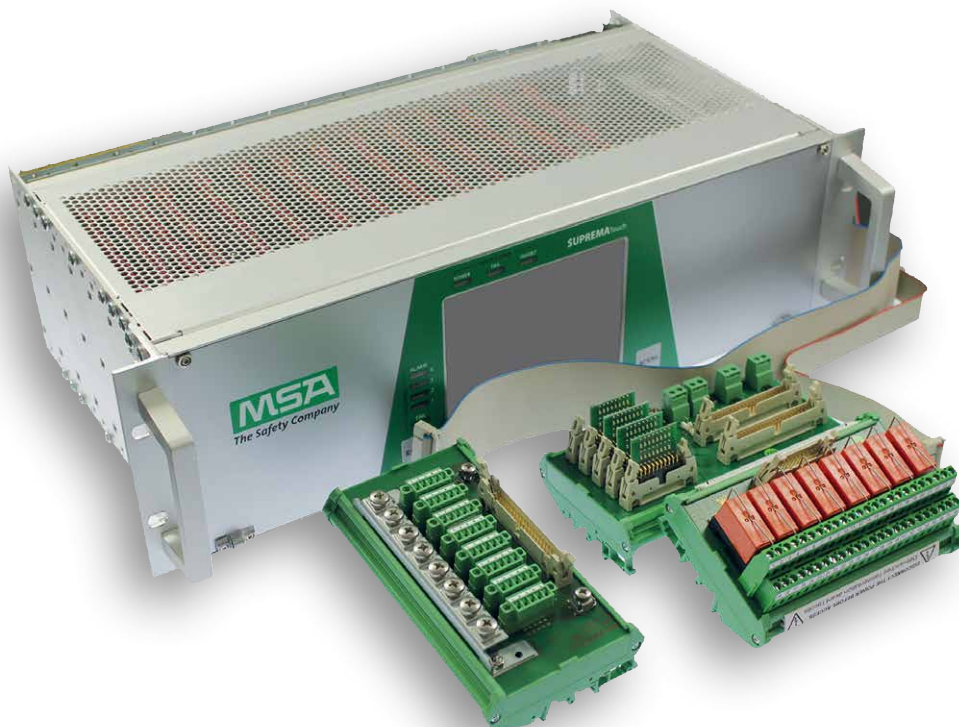
To further ease the handling of the system MSA introduced **four pre-configured versions** of the SUPREMA_{Touch}. These versions offer simplified ordering and faster delivery at an economical price.

These four configurations are based on many years of application experience in our systems group to fit in as many basic solutions as possible. You still have the flexibility to expand these systems later on or order a completely customized system at the beginning.

The SUPREMA_{Touch} system is delivered pre-configured including HART support, SD card, power supply, and the PC software SUPREMA Manager. Simply mount the system and parameterize the detectors and alarm logic. The system can accommodate transmitters, passive sensors or other supported detectors. The decision for one of the 4 configurations can be done with only knowing the number of required sensor inputs and relay outputs.

The two larger versions have an integrated Modbus (TCP & RTU) gateway to connect the SUPREMA_{Touch} to higher level systems like PLCs. One of these larger versions is also configured with a redundant architecture to provide maximum safety.

Together with our new **ULTIMA[®] X5000, S5000 and Sensient ELDS[™] detectors**, the SUPREMA_{Touch} is the perfect choice to build gas detection solutions for almost any application.



Base configuration:

PART NO.	Description	Qty
10188272	SUPREMA System 8/24 8 measuring points 24 relay outputs 5A* non-redundant	
	Content	
	SUPREMA ^{Touch} Base Kit (w. PS 250W)	1
	SUPREMA MAI 30	1
	SUPREMA MHS 30	1
	SUPREMA MGO 20 GENERAL OUTPUT	1
	SUPREMA MUT Universal Terminal	2
	SUPREMA FRC-40 Flat Ribbon Cable	2
	SUPREMA MAT-TS Analog Terminals (rail)	1
	SUPREMA MRC-TS Relay Connection	1
	SUPREMA Relay Output Unit MRO20-8-TS	3
	SUPREMA MRD 10, Relay Dummy	2
	SUPREMA ^{Touch} , Micro SDcard, 32 GB	1
	SUPREMA ^{Touch} CD ROM – SUPREMA Manager	1
	SUPREMA ^{Touch} CD-ROM – Manuals	1
	Quick start guide	1

Mid-size configuration:

PART NO.	Description	Qty
10188274	SUPREMA System 16/32 16 measuring points 32 relay outputs 5A* non-redundant	
	Content	
	SUPREMA ^{Touch} Base Kit (w. PS 250W)	1
	SUPREMA MAI 30	2
	SUPREMA MHS 30	2
	SUPREMA MGO 20 GENERAL OUTPUT	1
	SUPREMA MUT Universal Terminal	3
	SUPREMA FRC-40 Flat Ribbon Cable	3
	SUPREMA MAT-TS Analog Terminals (rail)	2
	SUPREMA MRC-TS Relay Connection	1
	SUPREMA Relay Output Unit MRO20-8-TS	4
	SUPREMA MRD 10, Relay Dummy	1
	SUPREMA ^{Touch} , Micro SDcard, 32 GB	1
	SUPREMA ^{Touch} CD ROM – SUPREMA Manager	1
	SUPREMA ^{Touch} CD-ROM – Manuals	1
	Quick start guide	1

Large configuration (non-redundant):

PART NO.	Description	Qty
10188275	SUPREMA System 24/40 24 measuring points 40 relay outputs 5A* Modbus gateways	
	Content	
	SUPREMA ^{Touch} Base Kit (w. PS 250W)	1
	SUPREMA MAI 30	3
	SUPREMA MHS 30	3
	SUPREMA MGO 20 GENERAL OUTPUT	1
	SUPREMA MUT Universal Terminal	4
	SUPREMA FRC-40 Flat Ribbon Cable	4
	SUPREMA MAT-TS Analog Terminals (rail)	3
	SUPREMA MRC-TS Relay Connection	1
	SUPREMA Relay Output Unit MRO20-8-TS	5
	SUPREMA MBC20-Modbus	1
	SUPREMA MBT20	1
	SUPREMA ^{Touch} , Micro SDcard, 32 GB	1
	SUPREMA ^{Touch} CD ROM – SUPREMA Manager	1
	SUPREMA ^{Touch} CD-ROM – Manuals	1
	Quick start guide	1

Large configuration (redundant):

PART NO.	Description	Qty
10188276	SUPREMA System 24/40 24 measuring points 40 relay outputs 5A* redundant Modbus gateways	
	Content	
	SUPREMA ^{Touch} Base Kit (w. PS 250W)	1
	SUPREMA MAI 30	3
	SUPREMA MHS 30	3
	SUPREMA MAR 30	3
	SUPREMA MGO 20 GENERAL OUTPUT	2
	SUPREMA MUT Universal Terminal	5
	SUPREMA FRC-40 Flat Ribbon Cable	5
	SUPREMA MAT-TS Analog Terminals (rail)	3
	SUPREMA MRC-TS Relay Connection	1
	SUPREMA Relay Output Unit MRO20-16-TS	5
	SUPREMA MBC20-Modbus	2
	SUPREMA MBT20	2
	SUPREMA ^{Touch} , Micro SDcard, 32 GB	1
	SUPREMA ^{Touch} CD ROM – SUPREMA Manager	1
	SUPREMA ^{Touch} CD-ROM – Manuals	1
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* First 8 alarm relays fixed, additional relays freely programmable, DIN rail mounted modules connected via unshielded ribbon cables

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