

Industrial Automation & Process Control Portfolio

PRECISION INSTRUMENTATION



ST sifam tinsley

www.sifamtinsley.com

Product Portfolio

Industrial Automation Devices



Temperature Controllers



I/O modules, Converters, Data Loggers, Paperless Recorders, Power Supplies



Digital Panel Meters, Controllers



Isolators, Signal Conditioners



Temperature Controllers





Product Tree

Basic Series

RE55

RE60

RE22

RE70

RE71

RE81

Advance Series

RE72

RE82

RE92

Special Purpose

RE01

RE62

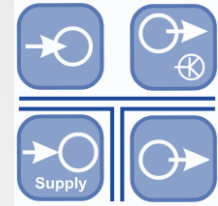
SR11

Single Loop Basic Series

PID

Auto Tune

ON/OFF



PT100, J, K



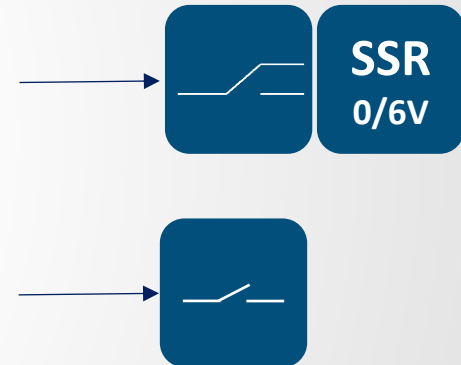
Panel Mount & Thumb-wheel Operated

RE55



DIN Rail Mount

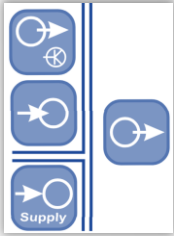
RE60



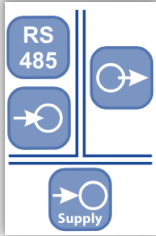
Single Loop Basic Series

PID
Auto Tune
ON/OFF
 AUTO
Soft Start

IP65



RE22



RE70

RTD, TC



Standard Signal
0 .. 10V
4 ... 20 mA



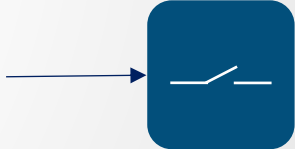
Panel Mount

RE70



Panel Mount

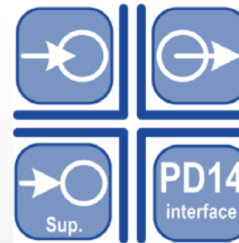
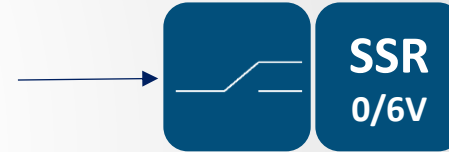
RE22



Single Loop Basic Series

- PID
- SMART PID
- Auto Tune
- ON/OFF
-
-
-
- IP65

PT100, J, K, S



Single Loop Advanced Series

SMART PID ON/OFF Auto Tune AUTO Soft Start IP65

PT100, PT1000 J, K, S, T, B, R, E, N, L	→							
0 ... 5/10V 4 ... 20 mA	→							
	→							
0 ... 5/10V 0/4 ... 20 mA	→							
Start/ Stop Auto/ Manual	→		1x for RE72 2x for RE82					

						2/3 - RE72 4 - RE82		SSR 0/6V
						0 ... 10V 4 ... 20 mA		
								RS485

RE72

RE82

Dual Loop Advanced Series

SMART PID
ON/OFF
Auto Tune
Soft Start
TIMER
IP65

2x

PT100, PT500, PT1000,
Ni100, Ni1000, Cu100
J, K, S, T, B, R, E, N
0 ... 5/10V
4 ... 20 mA

0 ... 5/10V
0/4 ... 20 mA

Start/ Stop
Auto/ Manual

3x for RE92



RE92



6/4 - Relay
0/2 - SSR

2x
0 ... 10V
0/4 ... 20 mA

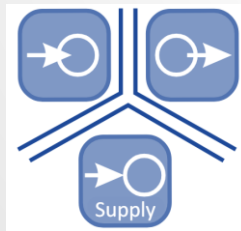
Special Purpose Series

- PID
- SMART PID
- Auto Tune
- ON/OFF
-
- IP65

Sleek Design
76 x 34 sq. mm



RE01



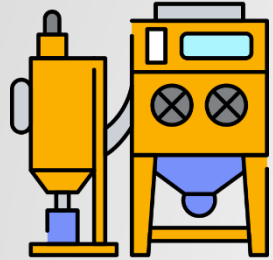
- PID
- SMART PID
- Auto Tune
- ON/OFF
-



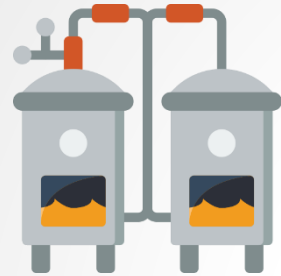
RE62



Application Areas



Forging Industry



Boiler Application



Drying Industry



Carpentry & Wood Industry



Telecom Application



Food Industry



Chemical Industry



Furnace Application



Textile Application

I/O Modules & Converters





Product Tree

Convertors

PD20

PD9

PD9W

PD51

Input Modules

SM1

SM2

SM3

SM5

S4AI

Output Modules

SM4

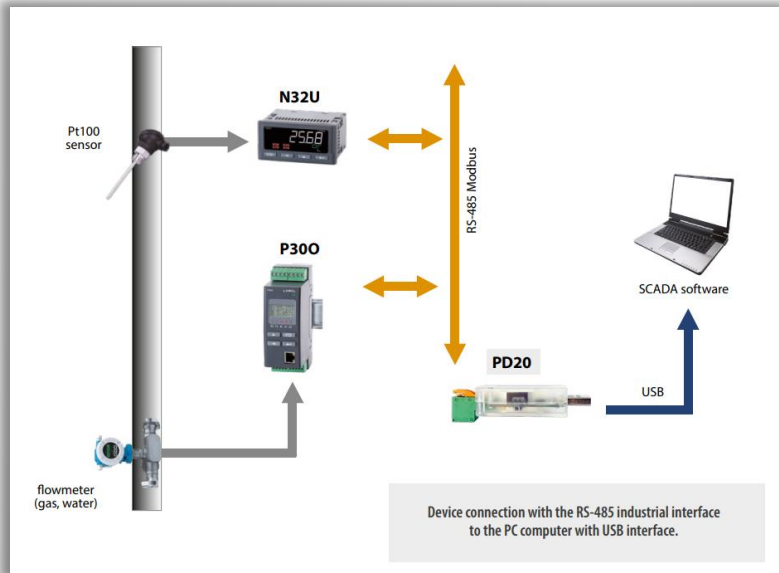
S4AO

Loggers

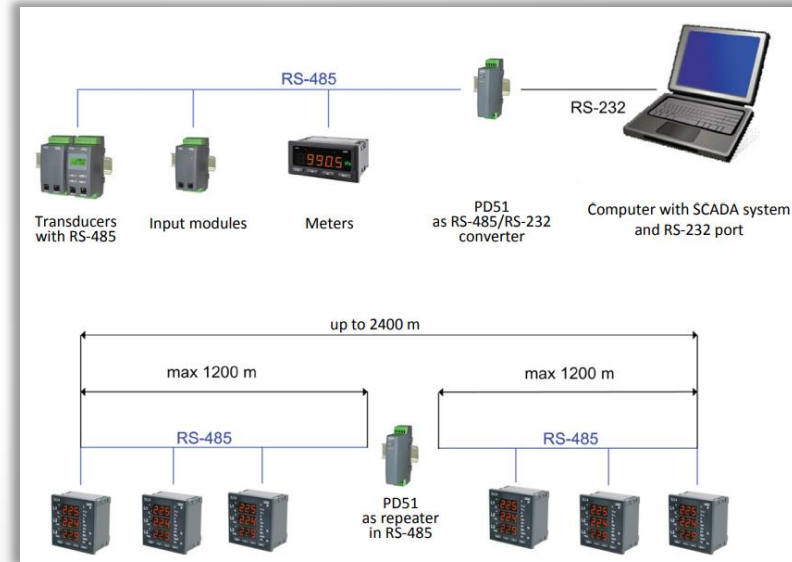
PD22

Basic Converters

PD20 - RS485 to USB Converter



PD51- RS485 to RS232 Converter



Basic Converters

PD9 - RS485 to Ethernet Converter



- Digi RealPort®,
- TCP/IP,
- HTTP,
- ICMP,
- DHCP,
- ARP
- Modbus TCP

PD9W- RS485 to Wi-Fi Converter



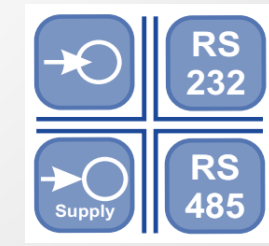
- Wi-Fi 2.4GHz 802.11 b/g/n
- TCP/IP,
- HTTP,
- ICMP,
- DHCP,
- ARP
- Modbus TCP, RTU

Input Modules

SM1: 2x Ch Analog Input Module

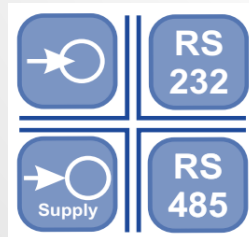


SM2: 4x Ch Analog Input Module

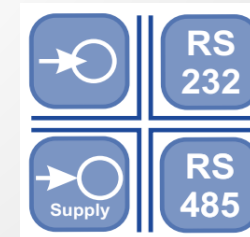


Input Modules

SM3: 2x Ch Binary Input Module

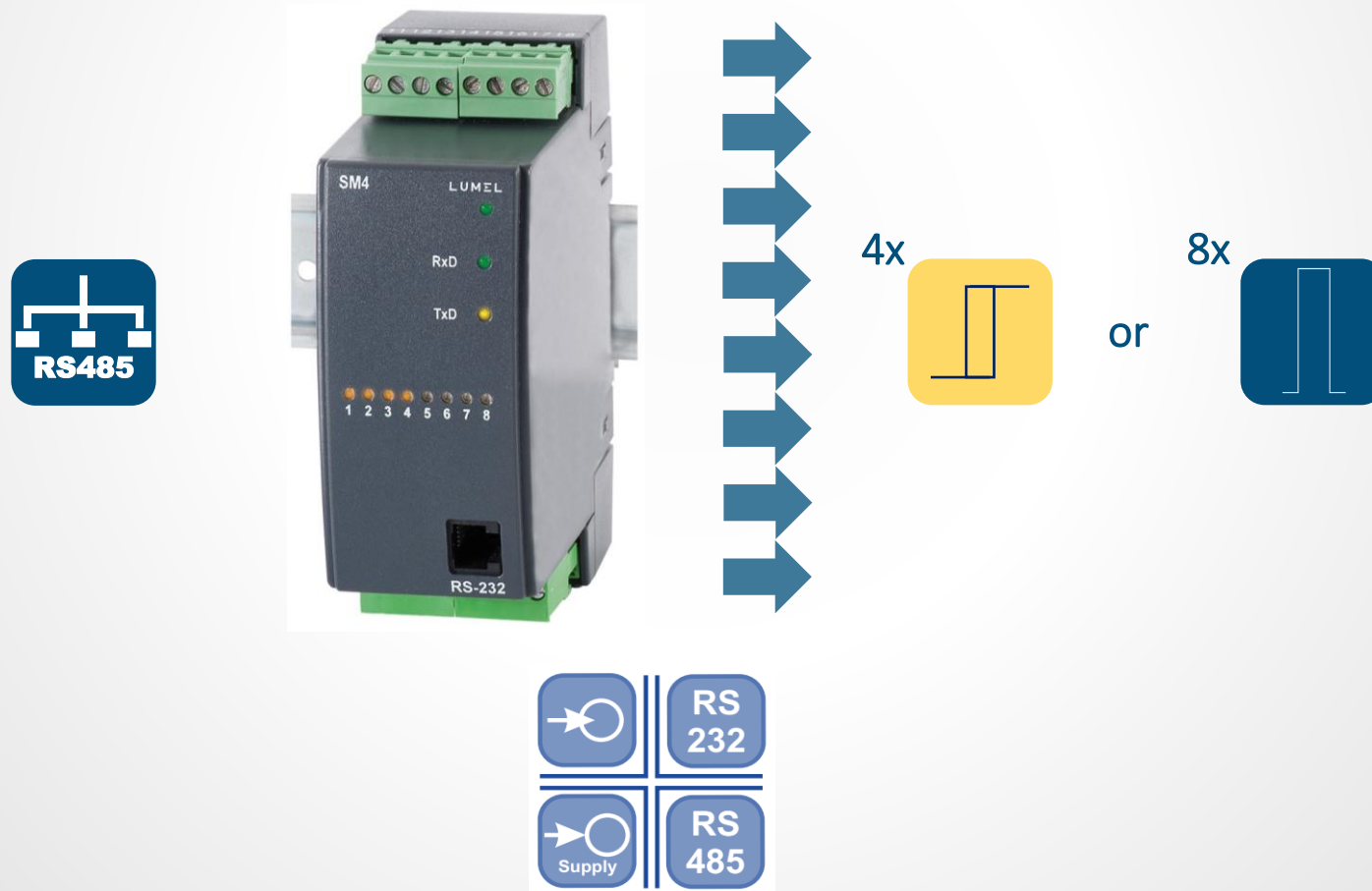


SM5: 8x Ch Binary Input Module



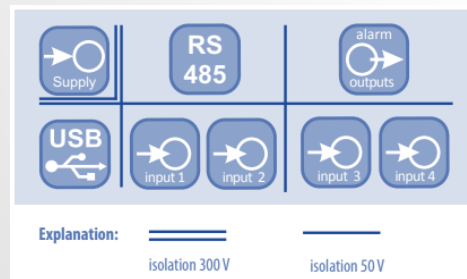
Output Modules

SM4: 4x Ch Relay or 8x Ch OC Output Module

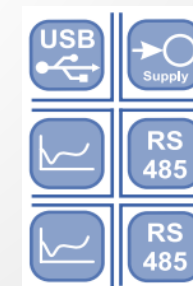


Input & Output Modules

S4AI – 4x Ch Prg. Analog Input Module



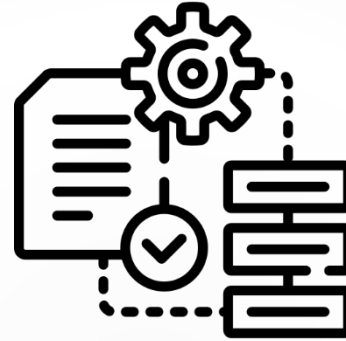
S4AO – 4x Ch Prg. Analog Output Module



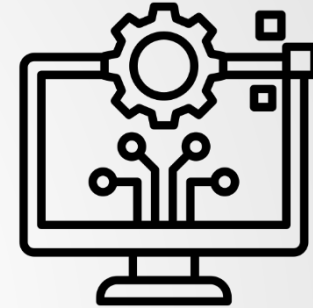
Application Areas



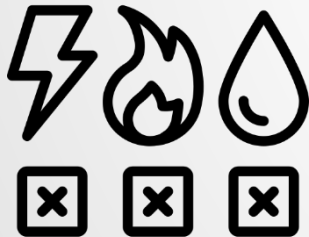
Energy
Monitoring



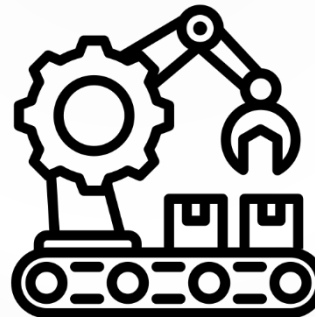
Process
Control



Building
management



Utility
Sources



OEM
Equipment



SCADA



Product Tree

Paperless Recorders

KD7

KD8

KD6

Temp. & Humidity Recorders

HT20IOT

HT22IOT

Data Loggers/ Acquisition Modules

SM61IOT

KD7 Paperless Recorder

Ind **F(x)** **MEM** **IP65** **USB** **ETH**

3 / 6 / 9 / 12 → **Ω** **°C**
-20...20 mA **-10...10 V**

8 / 16 →

1 ... 24
Master → **RS485**



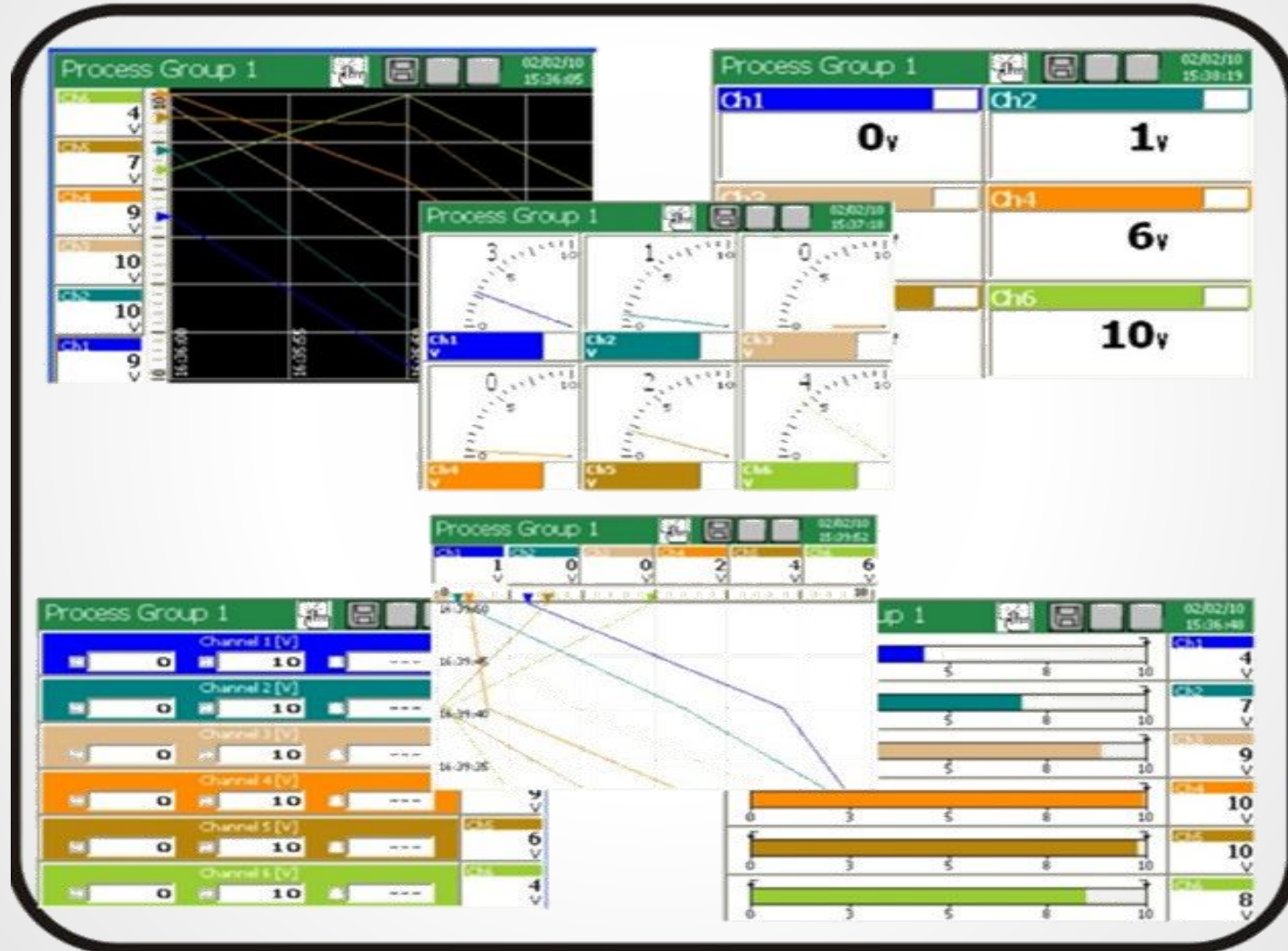
→ **4 / 8**
Analog O/P

→ **16 / 32**
Alarm O/P

→ **24V / 30mA**
PS O/P

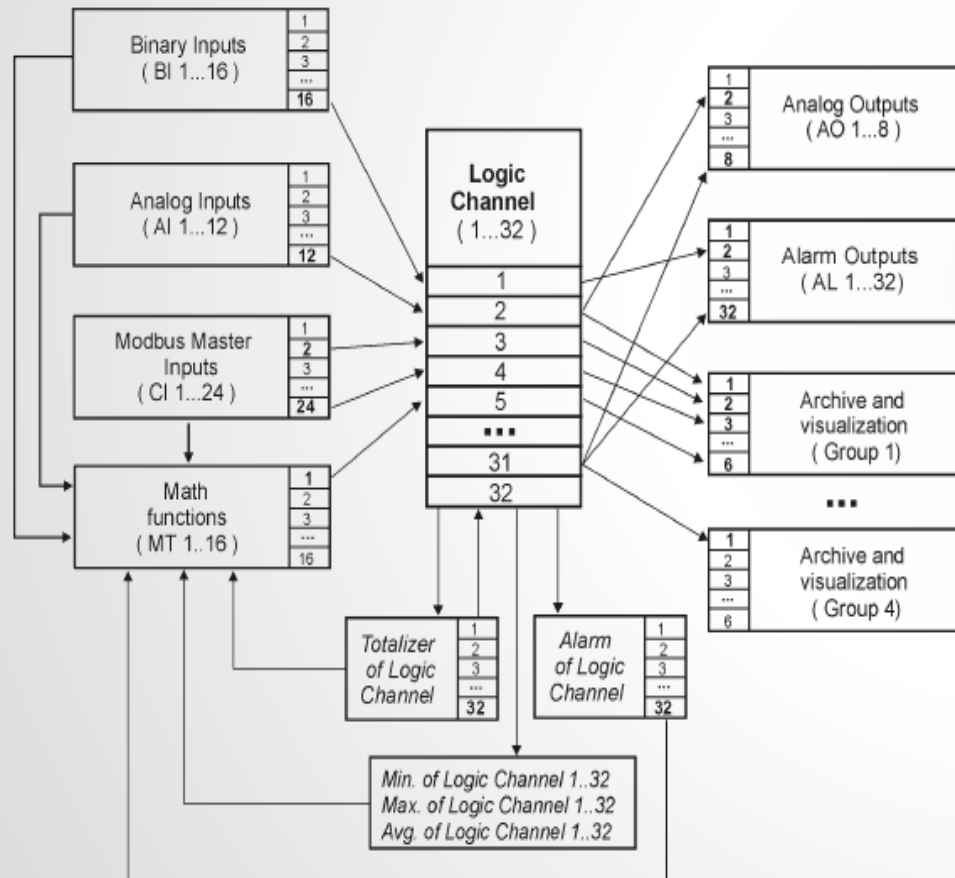
→ **RS485**
Slave

KD7-Screens



KD7- 12 Channel Recorder

Logic Channels

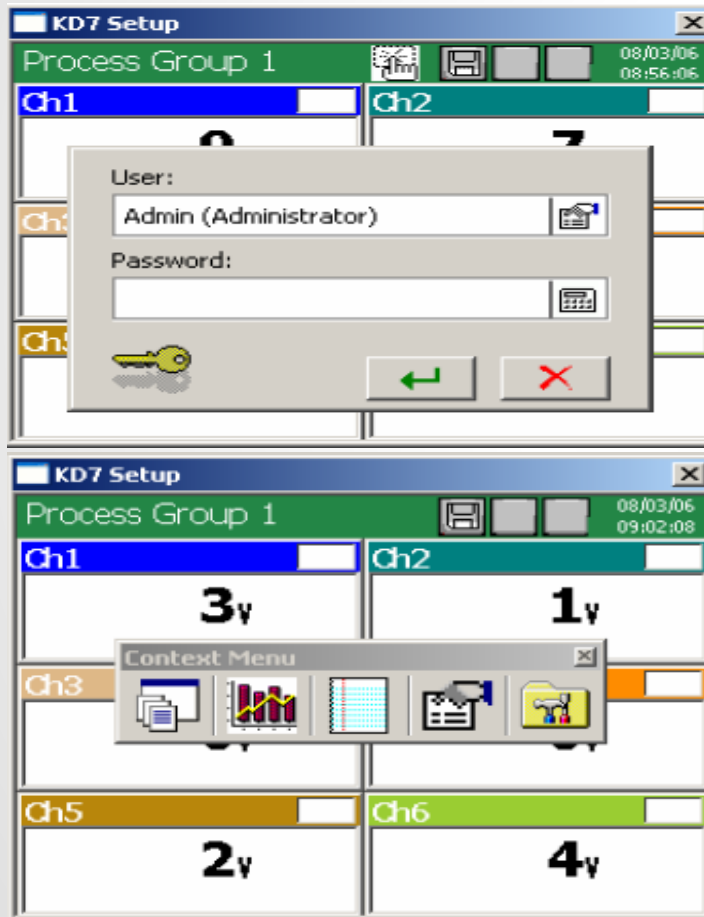


Key Functions

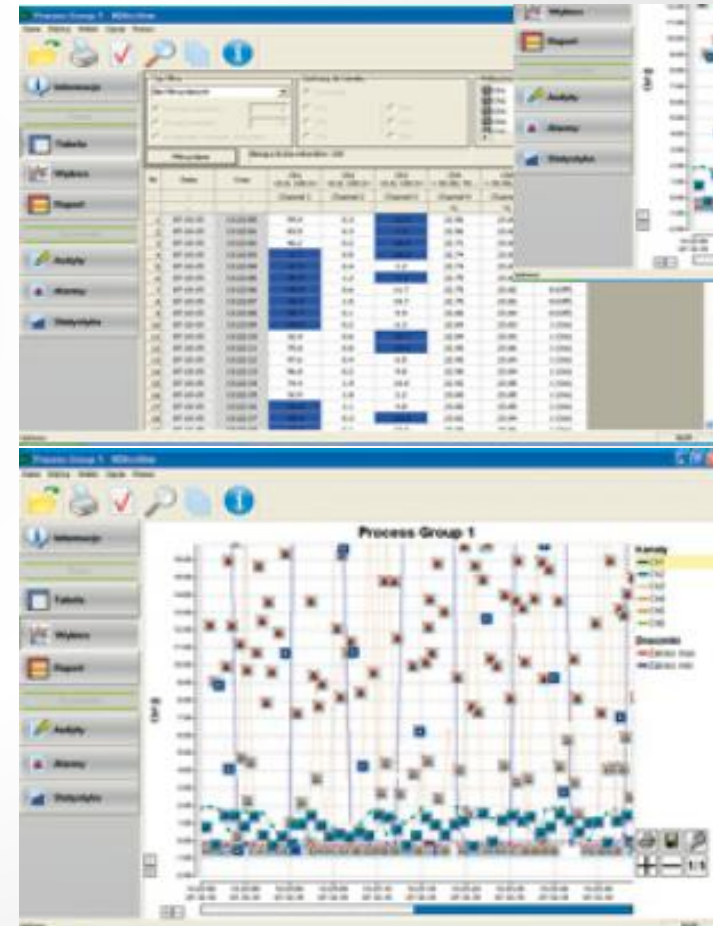
- ✓ Automatic verification of stored data correctness (digital signature),
- ✓ Review of archived data in the graphical and grid shape, Text data and charts printing, Reports creation using KD Archive software
- ✓ Exporting charts to image files: bmp, jpg and png
- ✓ KD Setup is a program enabling to prepare a configuration file in the PC computer for the KD7 and KD8 recorders.

KD7- 12 Channel Software

KD Setup Software

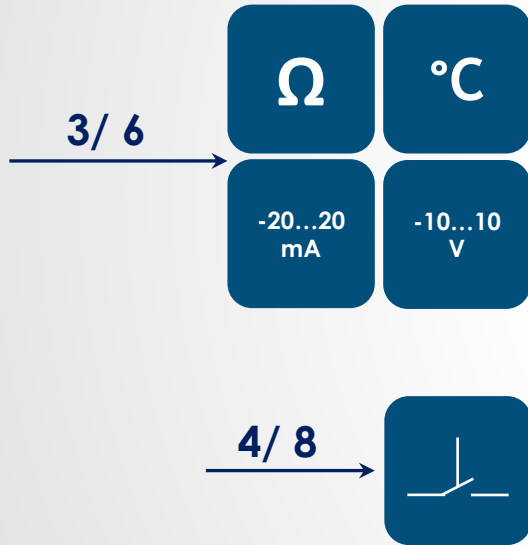


KD Archive Software



KD8- 6 Channel Paperless Recorder

MEM IP65 USB



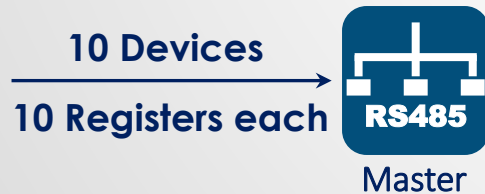
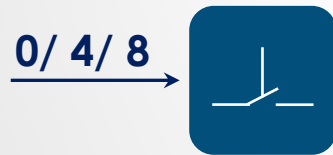
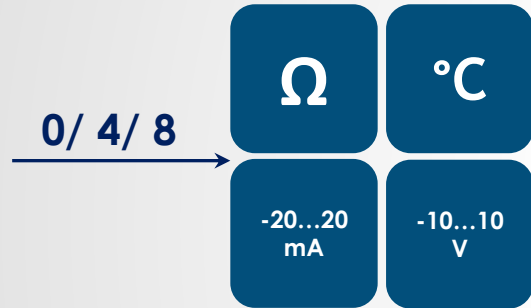
6/ 12 →
Alarm O/P



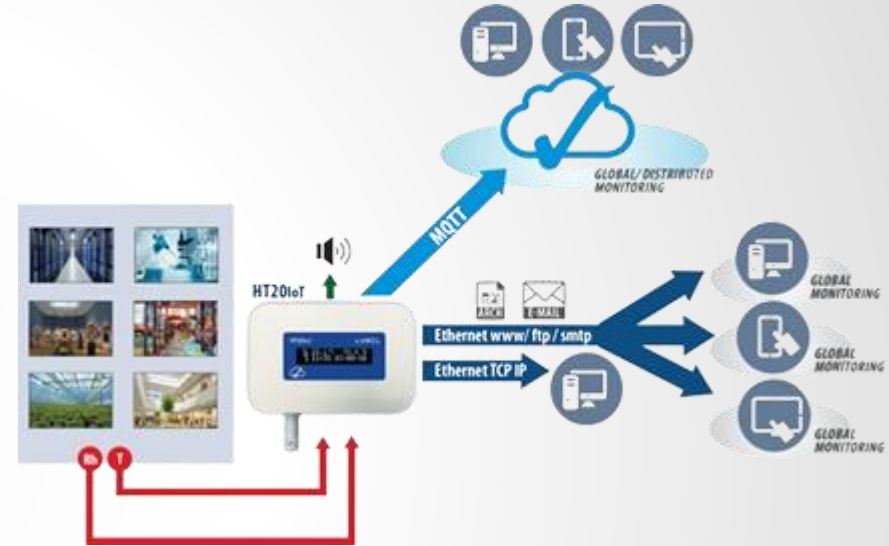
RS485 →
Slave



KD6-Compact Paperless Recorder



HT20IoT-°C & RH Recorder



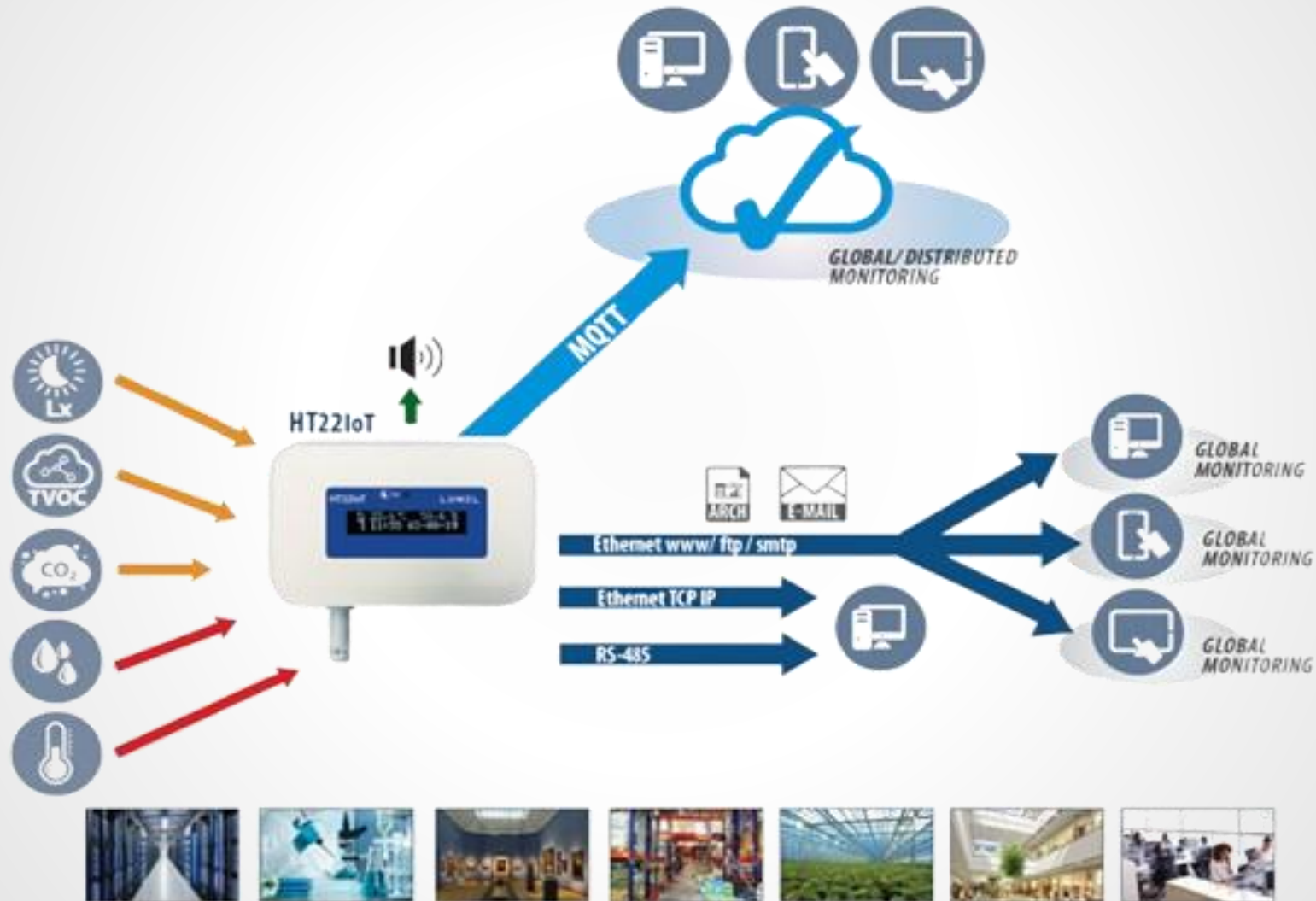
HT20 (pak. 314)

Temp: 20.2 °C	Dew point: 3.7 °C	Humid: 33.7 %	Abs. humid: 5.9 g/m ³
max: 22.8 °C	max: 6.8 °C	max: 45.6 %	max: 7.3 g/m ³
min: 19.3 °C	min: 2.1 °C	min: 30.8 %	min: 5.3 g/m ³
Wet bulb T: 12.6 °C	Amb. temp. pres: 0.9 hPa	Wet bulb T: 12.6 °C	Amb. temp. pres: 0.9 hPa

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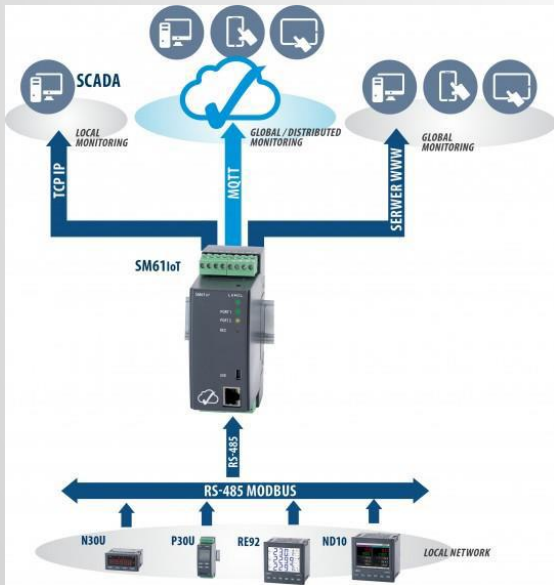
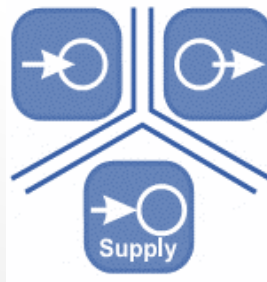
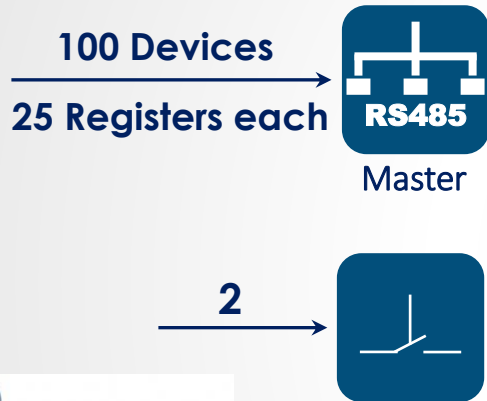


HT22IoT- Environmental Parameter Recorders

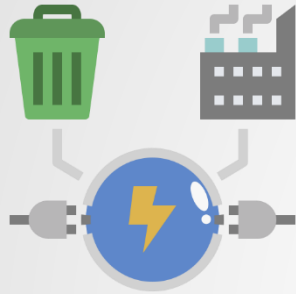




SM61IoT-Data Logger



Application Areas



Energy
Management &
Power Quality



Home/Building
Automation



Transportation &
Logistics



Industrial Process
Monitoring/Control



Food & Beverage
Industries



Research &
Development



Water & Environmental
Monitoring

Part 2



Digital Panel Meters, Power Supplies

Isolators & Signal Conditioners

To Be Continued....



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