



# SPEED-O-CONTROLS PVT. LTD.



RADIO REMOTE CONTROLS

# SITARA



DISCOVER OUR RANGE OF RADIO REMOTE CONTROLS SYSTEMS

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### SITARA-6S/6D



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### SITARA-8S/8D



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### SITARA-10S/10D



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## Salient Features



- ◆ **Pairing**  
Any transmitter & receiver can be paired on-site (for easy spare management)
- ◆ **Adjustable Range**  
Operating Range Adjustment (from 10m to 100m)
- ◆ **Adjustable Start Range**  
Only START functionality can be range adjustable
- ◆ **Password**  
Transmitter password protection
- ◆ **Frequency Change**  
Operating channel can be changed on site
- ◆ **Idle Time**  
Configurable Idle Time out in Transmitter

## Additional Features

Emergency STOP	2 NC contacts for EMS (EN-954-1 Safety Standard)
Indication	LED Indication for Battery LOW, Transmission and Error status
Address Code	Unique Address Code to avoid interference
Antenna	Internal Antenna in transmitter & receiver
Relay Assignment	Configurable Relay assignment available
Auxillary Functions	Selector Switch / Toggle Switch/ Push Buttons /Rotary Switch

## Transmitter

Operating Frequency	433-434 Mhz
Channel Spacing	25 Khz
Modulation	FM (4GFSK/2GFSK)
RF Power Output	10m W
Power Consumption	18 mA (Unidirectional)
Standby Power Consumption	1 mA
Battery Capacity and Type	2 nos, AA size Alkaline, 3.0V
Operating Temperature	-20°C to +70°C
Weight	200 gms (without battery)
Dimensions (mm)	50(H) X 69(W) X 170(L)
Operating Range	100 meters
Protection Rating	IP 65 IS/IEC 600529:2001 (NABL lab tested)

TRANSMITTER	RECEIVER
	
<b>SITARA - 6S</b> →	6 Pushbutton Single speed
<b>SITARA-6D</b> →	6 Pushbutton Double speed

## Technical Specification

Number of commands in Transmitter unit <b>SITARA-6S</b>	6 + Start/Stop + Alarm
Number of commands in Transmitter unit <b>SITARA-6D</b>	12 + Start/Stop + Alarm
CRC	32 Bit
Response Time	<50 ms
Active Emergency Response Time	<50 ms
Passive Emergency Response Time	1900 ms

## Receiver

Operating Frequency	433-434 Mhz
Channel Spacing	25 KHz
RF Sensitivity	-117dBm at 0.6kbaud
Number of Relays <b>SITARA-6S</b>	6 + 2 (Start/Alarm)
Number of Relays <b>SITARA-6D</b>	9 + 2 (Start/Alarm)
Relays	Resistive load: 5A at 250VAC
Power Requirements	48VAC - 230VAC
Fastening	By means of Nuts & Bolts
Operating Temperature	-20°C to +70°C
Weight	Approx 0.5 Kg
Dimensions (mm)	165 (H) x 150 (B) x 72 (W)
Operating Range	100 meters
Protection Rating	IP 65

## Salient Features



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Any transmitter & receiver can be paired on-site (for easy spare management)
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Only START functionality can be range adjustable
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Transmitter password protection
- ◆ **Frequency Change**  
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Configurable Idle Time out in Transmitter

## Additional Features

Emergency STOP	2 NC contacts for EMS (EN-954-1 Safety Standard)
Indication	LED Indication for Battery LOW, Transmission and Error status
Address Code	Unique Address Code to avoid interference
Antenna	Internal Antenna in transmitter & receiver
Relay Assignment	Configurable Relay assignment available
Auxillary Functions	Selector Switch / Toggle Switch/ Push Buttons /Rotary Switch

## Transmitter

Operating Frequency	433-434 Mhz
Channel Spacing	25 KHz
Modulation	FM (4GFSK/2GFSK)
RF Power Output	10m W
Power Consumption	18 mA (Unidirectional)
Standby Power Consumption	1 mA
Battery Capacity and Type	2 nos, AA size Alkaline, 3.0V
Operating Temperature	-20°C to +70°C
Weight	500 gms (without battery)
Dimensions (mm)	50(H) X 69(W) X 190(L)
Operating Range	100 meters
Protection Rating	IP 65 IS/IEC 600529:2001 (NABL lab tested)

TRANSMITTER	RECEIVER
	
<b>SITARA-8S</b> →	8 Pushbutton Single speed
<b>SITARA-8D</b> →	8 Pushbutton Double speed

## Technical Specification

Number of commands in Transmitter unit <b>SITARA-8S</b>	8 + Start/Stop + Alarm
Number of commands in Transmitter unit <b>SITARA-8D</b>	16 + Start/Stop + Alarm
CRC	32 Bit
Response Time	<50 ms
Active Emergency Response Time	<50 ms
Passive Emergency Response Time	1900 ms

## Receiver

Operating Frequency	433-434 Mhz
Channel Spacing	25 KHz
RF Sensitivity	-117dBm at 0.6kbaud
Number of Relays <b>SITARA-8S</b>	8 + 2 (Start/Alarm)
Number of Relays <b>SITARA-8D</b>	12 + 2 (Start/Alarm)
Relays	Resistive load: 5A at 250VAC
Power Requirements	48VAC - 230VAC
Fastening	By means of Nuts & Bolts
Operating Temperature	-20°C to +70°C
Weight	Approx 0.8 Kg
Dimensions (mm)	186 (H) x 186 (B) x 83 (W)
Operating Range	100 meters
Protection Rating	IP 65 (NABL lab tested)

## Salient Features



- ◆ **Pairing**  
Any transmitter & receiver can be paired on-site (for easy spare management)
- ◆ **Adjustable Range**  
Operating Range Adjustment (from 10m to 100m)
- ◆ **Adjustable Start Range**  
Only START functionality can be range adjustable
- ◆ **Password**  
Transmitter password protection
- ◆ **Frequency Change**  
Operating channel can be changed on site
- ◆ **Idle Time**  
Configurable Idle Time out in Transmitter

## Additional Features

Emergency STOP	2 NC contacts for EMS (EN-954-1 Safety Standard)
Indication	LED Indication for Battery LOW, Transmission and Error status
Address Code	Unique Address Code to avoid interference
Antenna	Internal Antenna in transmitter & receiver
Relay Assignment	Configurable Relay assignment available
Auxillary Functions	Selector Switch / Toggle Switch/ Push Buttons /Rotary Switch

## Transmitter

Operating Frequency	433-434 Mhz
Channel Spacing	25 KHz
Modulation	FM (4GFSK/2GFSK)
RF Power Output	10m W
Power Consumption	18 mA (Unidirectional)
Standby Power Consumption	1 mA
Battery Capacity and Type	2 nos, AA size Alkaline, 3.0V
Operating Temperature	-20°C to +70°C
Weight	500 gms (without battery)
Dimensions (mm)	50(H) X 69(W) X 210(L)
Operating Range	100 meters
Protection Rating	IP 65 IS/IEC 600529:2001 (NABL lab tested)

TRANSMITTER	RECEIVER
	
<b>SITARA-10S</b> →	10 Pushbutton Single speed
<b>SITARA-10D</b> →	10 Pushbutton Double speed

## Technical Specification

Number of commands in Transmitter unit <b>SITARA-10S</b>	Upto 10 + Start/Stop + Alarm
Number of commands in Transmitter unit <b>SITARA-10D</b>	Upto 20 + Start/Stop + Alarm
CRC	32 Bit
Response Time	<50 ms
Active Emergency Response Time	<50 ms
Passive Emergency Response Time	1900 ms

## Receiver

Operating Frequency	433-434 Mhz
Channel Spacing	25 KHz
RF Sensitivity	-117dBm at 0.6kbaud
No of Relays <b>SITARA-10S</b>	Upto 10 + 2 (Start/Alarm)
No of Relays <b>SITARA-10D</b>	Upto 15 + 2 (Start/Alarm)
Relays	Resistive load: 5A at 250VAC
Power Requirements	48VAC - 230VAC
Fastening	By means of Nuts & Bolts
Operating Temperature	-20°C to +70°C
Weight	Approx 1.2 Kg
Dimensions (mm)	282 (H) x 220 (B) x 110 (W)
Operating Range	100 meters
Protection Rating	IP 65 (NABL lab tested)

### CRANE CONTROL GEAR



### POWER DISTRIBUTION



### RADIO REMOTE CONTROLS



### JOYSTICK CONTROLLER



### FLAMEPROOF PRODUCTS



### OTHER ELECTRONICS



“Our Customer do not buy products. They buy the benefits that our products provides.”

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