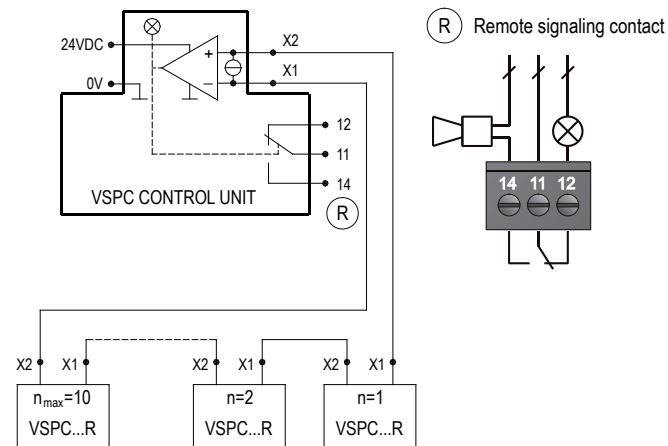


Installation Instructions



UK importer:
Weidmuller Ltd.
Centurion Court Office Park
Meridian East, Leicester, LE19 1TP



The diagram illustrates the VSPC control unit and its connection to multiple VSPC units. The control unit on the left is labeled "VSPC CONTROL UNIT" and features a "FAULT" indicator (red light) and an "OK" indicator (green light). It displays the following information: $U_N = 24V$, $U_C = 31V$, IP20, and the serial number 8972270000. It has terminals for 14, 11, and 12 at the top, and 24V and 0V at the bottom. The VSPC units are connected to the control unit via a bus system. The distance between the control unit and the first VSPC unit is indicated as $l \leq 3 \text{ meter}$. The VSPC units are labeled "VSPC" and display the following information: U_C , I_N , I_{SN} , $U_p \hat{A}$, and IP20. They also have a "XXXXXXX" display. The distance between the VSPC units is indicated as $n \times \text{VSPC} \dots R$ and $n \leq 10$.

LED green	LED red	Function	
		OK	
		FAULT (one/several defect VSPC...R)	
		Wire break in monitoring current loop	

Fuse selection depends on the nominal current of the VSPC...R model chosen.

Technical Specifications

Type	VSPC CONTROL UNIT
Part number	8972270000
Power supply	
Rated voltage, U _n	24 V DC
Maximum voltage, U _{max}	31 V DC
Rated current, I _n	50 mA
Input	
Monitoring current loop	< 51 V / 7 mA
Status indicators	
LED green	OK
LED red	FAULT
LED green/red flashing	Wire break in monitoring current loop
Output	
Relay output contact	1 Change over, 250 V / 1 A
Operating temperature range	-40 °C...+70 °C
Clamping range screw connection solid/flexible	0.2 mm²...2.5 mm²
Stripping length	< 7 mm
Screwdriver blade	0.6 x 3.5 mm
Tightening torque	0.4...0.5 Nm
EMC standards/Approvals	EN 50178, EN 55011, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, CE

Available types of VSPC...R

895146 0000	VSPC 2CL 5VDC R
895147 0000	VSPC 2CL 12VDC R
895148 0000	VSPC 2CL 24VDC R
109340 0000	VSPC 2CL 24VAC R
895168 0000	VSPC 2CL HF 5VDC R
895169 0000	VSPC 2CL HF 12VDC R
895170 0000	VSPC 2CL HF 24VDC R
895153 0000	VSPC 1CL 5VDC R
895154 0000	VSPC 1CL 12VDC R
895155 0000	VSPC 1CL 24VDC R
895156 0000	VSPC 1CL 24VAC R

895157 0000	VSPC 4SL 5VDC R
895158 0000	VSPC 4SL 12VDC R
895159 0000	VSPC 4SL 24VDC R
895160 0000	VSPC 4SL 24VAC R
895161 0000	VSPC 2SL 5VDC R
895162 0000	VSPC 2SL 12VDC R
895163 0000	VSPC 2SL 24VDC R
895164 0000	VSPC 2SL 24VAC R
895165 0000	VSPC MOV 2CH 24V R
895166 0000	VSPC MOV 2CH 230V R
895167 0000	VSPC RS485 2CH R

Description

The VSPC CONTROL UNIT supplies the VSPC...R modules and displays their status. It is necessary to operate them always with the cable-connected and active VSPC CONTROL UNIT to insure a proper function of the self-monitoring. Up to 10 identic or different VSPC...R can be connected in line. The monitoring current loop wire length has to be shorter 3 meters.

Only the green LED is glowing during the normal operation. If an error occurs in the VSPC...R units, the green LED turns off and the red LED turns on. An alternating light between green and red LED indicates a cable break of the monitoring loop, i.e. an improper contact of a wire.

All electronic devices with a de-energised (normally closed, NC) contact can be monitored in-line with the VSPC CONTROL UNIT. Please notice, that you get a LED green/red flashing in case of a fault.

Sicherheitshinweise



Das Gerät darf nur von einer Elektrofachkraft installiert werden, die mit den nationalen und internationalen Gesetzen, Vorschriften und Standards vertraut ist.

GEFAHR



Vor allen Arbeiten ist das Gerät spannungsfrei zu schalten und gegen Wiedereinschalten zu sichern.

WARNUNG



Das Gerät muss in elektrischen Betriebsmittelräumen oder in geschlossenen Gehäusen (z. B. Schaltschrank) installiert werden.

HINWEIS



Achten Sie beim Anschließen des Gerätes auf die richtige Polarität. Sorgen Sie für eine wirksame Schutzbeschaltung der Ein- und Ausgänge des Gerätes. Das Gerät darf nicht geöffnet, verändert oder umgebaut werden.

Indicazioni di sicurezza



L'apparecchio può essere installato esclusivamente da un elettricista specializzato a conoscenza delle leggi, delle disposizioni e degli standard nazionali e internazionali.

PERICOLO



Prima di procedere con l'intervento, scollegare l'alimentazione elettrica del dispositivo ed assicurarla contro un'eventuale riaccensione.

AVVERTENZA



L'apparecchio va installato all'interno di ambienti destinati alle apparecchiature elettriche o di apposite custodie chiuse (peres. un quadro elettrico).

AVVISO



Prestare attenzione alla polarità corretta al momento di collegare il dispositivo. Accertarsi dell'efficacia del circuito di sicurezza sugli ingressi e uscite dell'apparecchio. Non aprire, modificare o alterare l'apparecchio.

Safety instructions



The device must only be installed by qualified electricians who are familiar with national and international laws, provisions and standards.

DANGER



Before commencing work, disconnect the power supply to the device and secure it against being switched on again.

WARNING



The device must be installed in electrical equipment rooms or in closed enclosures (e.g. control cabinet).

NOTICE



When connecting the device, make sure the polarity is correct. Ensure an effective protective suppressor circuit for the device's inputs and outputs. The device must not be opened, modified or converted.

Indicaciones de seguridad



El equipo solo lo debe instalar un electricista cualificado familiarizado con las leyes, normas y estándares nacionales e internacionales.

PELIGRO



Antes de realizar cualquier trabajo, desconecte la alimentación eléctrica del equipo y bloquéela para evitar que se vuelva a conectar.

ADVERTENCIA



El equipo se debe instalar en salas de equipos eléctricos o en carcasas cerradas (p. ej., cuadros de distribución).

AVISO



Cuando conecte el equipo, asegúrese de que la polaridad es correcta. Deberá suministrar un circuito de protección efectivo de las entradas y salidas del equipo. El dispositivo no se podrá abrir, modificar ni convertir.

Consignes de sécurité



L'appareil ne doit être installé que par un électricien ayant une bonne connaissance des lois, directives et normes nationales et internationales.

DANGER



Avant de commencer à travailler, débranchez l'alimentation électrique de l'appareil et protégez-le contre toute remise en marche.

AVERTISSEMENT



L'appareil doit être installé dans des locaux électriques ou dans des boîtiers fermés (par ex. armoire).

AVIS



Lors du raccordement de l'appareil, assurez-vous que la polarité est correcte. Prévoyez un circuit de protection efficace des entrées et sorties de l'appareil. Il est interdit d'ouvrir, de modifier ou de transformer l'appareil.

Entsorgung



Beachten Sie die Hinweise zur sachgerechten Entsorgung des Produkts. Die Hinweise finden Sie auf www.weidmueller.com/disposal.

Disposal



Observe the notes for proper disposal of the product. You can find the notes here: www.weidmueller.com/disposal.

Mise au rebut



Respectez les consignes pour une élimination correcte du produit. Vous pouvez trouver les consignes ici : www.weidmueller.com/disposal.

Smaltimento



Rispettare le indicazioni sullo smaltimento corretto del prodotto. Le indicazioni sono riportate qui: www.weidmueller.com/disposal.

Eliminación



Tenga en cuenta las notas del producto acerca de los procedimientos correctos de eliminación. Estas notas están disponibles aquí: www.weidmueller.com/disposal.

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