# CF1000VDS range -Intelligent addressable control panel



The CF1000VDS range is available as a high specification 1 or 2 loop intelligent addressable control panel, offering sophisticated functionality with simple end user operation.

The simplicity of operation, powerful cause and effect programming capability and competitive pricing make the system suitable for a wide range of small to medium sized projects.

CF1000VDS uses soft addressing to minimise installation time and remove the potential for error associated with manual addressing.

These panels can operate as a stand alone panel or as part of a network with the Eaton range of CF3000 panels or other CF1000VDS panels (additional network card required).

The CF1000VDS range of panels have an integral power supply and are supplied with batteries as standard.

An extensive range of compatible intelligent addressable system ancillaries are available to work with the CF1000VDS range all of which incorporate an integral short circuit isolator to provide maximum protection against short circuit faults on the loop.

#### **Features and benefits**

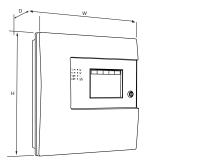
- Available in 1 and 2 loop versions
- Up to 200 addresses per loop
- Full network capability up to 126 panels
- Soft addressing
- Large versatile touch-screen user interface
- Multi-language selection capability
- Integral battery and power supply
- Flexible cause and effect programming
- Simple to operate end user touch-screen interface
- Flexible distributed network capability
- Full range of compatible accessories
- Easy to design system cause and effect using site installer software
- Full system integrity with Eaton developed protocol



## **Technical specification**

StandardsEN54 Pt2,1997, A1:2006, EN54 Pt4,1997 A1:2002, A2:2006, EN54 Pt13: 2005EN54 Pt2,1997, A1:2006, EN54 Pt13: 2002, A2:2006, EN54 Pt13: 2005SpecificationNumber of loops12Addresses per loop200200Number of conventional sounder circuits2 monitored for open and short circuit (max 1.5A combined)200Auxiliary fire routing equipment output (monitored)24V dc 30mA (max)24V dc 30mA (max)Auxiliary fue protection equipment output (monitored)24V dc 30mA (max)24V dc 30mA (max)Auxiliary fue protection equipment output (monitored)12V dc 30mA (max)12V dc 30mA (max)Muxiliary fue routing equipment output (monitored)24V dc 10m)24V dc 10m)Auxiliary fue routing equipment output (monitored)12V dc 30mA (max)12V dc 30mA (max)Muxiliary fault routing equipment output (monitored)12V dc 30mA (max)12V dc 30mA (max)Muxiliary fault routing equipment output (monitored)12V dc 30mA (max)12V dc 30mA (max)Muxiliary fault routing equipment output (monitored)12V dc 30mA (max)12V dc 30mA (max)Muxiliary fault routing equipment output (monitored)12V dc 30mA (max)12V dc 30mA (max)Output pris1 set of changeover contacts operate in event of fire condition1 set of changeover contacts operate in event of fire condition1 set of changeover contacts operate in event of fire conditionOutput portsRS485, RS232 for connection of repeaters etcRS485, RS232 for connection of repeaters etcStandby durationDependant o	Code	CF1100VDS	CF1200VDS	
A2:2006, EN54 Pt13: 2005       A2:2006, EN54 Pt13: 2005         Specification	Description	1 loop control panel	2 loop control panel	
Number of loops         1         2           Addresses per loop         200         200         200           Number of conventional sounder circuits         2 monitored for open and short circuit (max 1.5A combined)         2 monitored for open and short circuit (max 1.5A combined)           Auxiliary fire routing equipment output (monitored)         24V dc 30mA (max)         24V dc 30mA (max)           Auxiliary fire protection equipment output (monitored)         24V dc 30mA (max)         24V dc 30mA (max)           Auxiliary fault routing equipment output (monitored)         24V dc 30mA (max)         12V dc 30mA (max)           Auxiliary fault routing equipment output (monitored)         24V dc 10m/         24V dc 30mA (max)           System operating voltage         24V dc (nom)         24V dc (nom)           Mains input supply         230V ac +10% / -15%         230V ac +10% / -15%           Auxiliary relay         1 set of changeover contacts operate in event of fire condition         1 set of changeover contacts operate in event of fire condition           Output ports         RS485, RS232 for connection of repeaters etc         RS485, RS232 for connection of repeaters etc           Battery         2 x 12V 7Ah         2 x 12V 7Ah         2 x 12V 7Ah           Environmental	Standards			
Addresses per loop       200       200         Number of conventional sounder circuits       2 monitored for open and short circuit (max 1.5A combined)       2 monitored for open and short circuit (max 1.5A combined)         Auxiliary fire routing equipment output (monitored)       24V dc 30mA (max)       24V dc 30mA (max)         Auxiliary fire protection equipment output (monitored)       24V dc 30mA (max)       24V dc 30mA (max)         Auxiliary fault routing equipment output (monitored)       12V dc 30mA (max)       12V dc 30mA (max)         System operating voltage       24V dc (nom)       24V dc (nom)         Mains input supply       230V ac +10% /-15%       230V ac +10% /-15%         Auxiliary relay       1 set of changeover contacts operate in event of fire condition       condition         Output ports       RS485, RS232 for connection of repeaters etc       RS485, RS232 for connection of repeaters etc         Standby duration       Dependant on loop loading and battery configuration       Dependant on loop loading and battery configuration         Battery       2 x 12V 7Ah       2 x 12V 7Ah       2         Environmental       Ot o 75% RH       0 to 75% RH         Dimensions (H x W x D)       375mm x 357mm x 95mm       375mm x 357mm x 95mm         Back box - steel       Back box - steel       Back box - steel         Dimensions (H x W x D)       375	Specification			
Auxiliary fire routing equipment output       24V dc 30mA (max)       24V dc 30mA (max)         Auxiliary fire routing equipment output       24V dc 30mA (max)       24V dc 30mA (max)         Auxiliary fire protection equipment output       24V dc 30mA (max)       24V dc 30mA (max)         Auxiliary fire protection equipment output       24V dc 30mA (max)       24V dc 30mA (max)         Muxiliary fult proting equipment output       24V dc 30mA (max)       24V dc 30mA (max)         Muxiliary fault routing equipment output       12V dc 30mA (max)       12V dc 30mA (max)         Muxiliary fault routing equipment output       12V dc 30mA (max)       12V dc 30mA (max)         Muxiliary fault routing equipment output       12V dc 30mA (max)       12V dc 30mA (max)         System operating voltage       24V dc (nom)       24V dc (nom)         Mainis iput supply       230V ac +10% /-15%       230V ac +10% /-15%         Auxiliary relay       1 set of changeover contacts operate in event of fire condition       1 set of changeover contacts operate in event of fire condition         Output ports       RS485, RS232 for connection of repeaters etc       RS485, RS232 for connection of repeaters etc         Standby duration       Dependant on loop loading and battery configuration       Dependant on loop loading and battery configuration         Battery       2 x 12V 7Ah       Evoronmetal       2	Number of loops	1	2	
combined)combined)combined)Auxiliary fire routing equipment output (monitored)24V dc 30mA (max)24V dc 30mA (max)Auxiliary fire protection equipment output (monitored)24V dc 30mA (max)24V dc 30mA (max)Auxiliary fault routing equipment output (monitored)12V dc 30mA (max)24V dc 30mA (max)System operating voltage24V dc (nom)24V dc (nom)Mains input supply230V ac +10% / -15%230V ac +10% / -15%Auxiliary relay1 set of changeover contacts operate in event of fire condition1 set of changeover contacts operate in event of fire conditionOutput portsRS485, RS232 for connection of repeaters etcRS485, RS232 for connection of repeaters etcStandby durationDependant on loop loading and battery configurationDependant on loop loading and battery configurationBattery2 x 12V 7Ah2 x 12V 7AhEnvironmentalEvence-5°C to +40°COperating temperature-5°C to +40°C-5°C to +40°CHumidity (non condensing)0 to 75% RH0 to 75% RHPhysical275% mx x357mm x 95mm375mm x 357mm x 95mmDimensions (H x W x D)375mm x 357mm x 95mm375mm x 357mm x 95mmWeight&kg&kgIngress protectionIP30IP30Cable entriesTop: cable knockouts (20mm) Back: cable apertureTop: cable knockouts (20mm) Back: cable apertureSystem networkingFully networkable up to 126 panels (requires additionalFully networkable up to 126 panels (requires additional	Addresses per loop	200	200	
(monitored)       24V dc 30mA (max)       24V dc 30mA (max)         Auxiliary fire protection equipment output (monitored)       12V dc 30mA (max)       12V dc 30mA (max)         Auxiliary fault routing equipment output (monitored)       12V dc 30mA (max)       12V dc 30mA (max)         System operating voltage       24V dc (nom)       24V dc (nom)         Mains input supply       230V ac + 10% / -15%       230V ac + 10% / -15%         Auxiliary relay       1 set of changeover contacts operate in event of fire condition       1 set of changeover contacts operate in event of fire condition         Output ports       RS485, RS232 for connection of repeaters etc       RS485, RS232 for connection of repeaters etc         Standby duration       Dependant on loop loading and battery configuration       Dependant on loop loading and battery configuration         Battery       2 x 12V 7Ah       2 x 12V 7Ah       2 x 12V 7Ah         Environmental       0 to 75% RH       0 to 75% RH         Physical       0 to 75% RH       0 to 75% RH         Construction       Back box - steel       Back box - steel         Dimensions (H x W x D)       375mm x 357mm x 95mm       375mm x 357mm x 95mm         Weight       8kg       8kg       Ingress protection         Lipsical       Top: cable knockouts (20mm)       Top: cable knockouts (20mm)       Back: cabl	Number of conventional sounder circuits			
(monitored)12V dc 30mA (max)12V dc 30mA (max)Auxiliary fault routing equipment output (monitored)12V dc 30mA (max)System operating voltage24V dc (nom)Wains input supply230V ac +10% /-15%Auxiliary relay1 set of changeover contacts operate in event of fire conditionOutput portsRS485, RS232 for connection of repeaters etcStandby durationDependant on loop loading and battery configurationBattery2 x 12V 7AhZ x 12V 7Ah2 x 12V 7AhEnvironmentalOperating temperature-5°C to +40°CHumidity (non condensing)0 to 75% RHDimensions (H x W x D)375mm x 357mm x 95mmSystem networkingFullFull8kgSystem networkingIP30Cable entriesTop: cable knockouts (20mm) Back: cable apertureSystem networkingFull y networkable up to 126 panels (requires additionalFull networkable up to 126 panels (requires additionalFully networkable up to 126 panels (requires additional		24V dc 30mA (max)	24V dc 30mA (max)	
(monitored)24V dc (nom)System operating voltage24V dc (nom)Mains input supply230V ac +10% / -15%Auxiliary relay1 set of changeover contacts operate in event of fire conditionOutput portsRS485, RS232 for connection of repeaters etcRS485, RS232 for connection of repeaters etcRS485, RS232 for connection of repeaters etcStandby durationDependant on loop loading and battery configurationBattery2 x 12V 7Ah2 x 12V 7Ah2 x 12V 7AhEnvironmentalOperating temperature-5°C to +40°CHumidity (non condensing)0 to 75% RHOperationBack box - steelDimensions (H x W x D)375mm x 357mm x 95mm375mm x 357mm x 95mm375mm x 357mm x 95mmWeight8kgIngress protectionIP30Cable entriesTop: cable knockouts (20mm) Back: cable apertureSystem networkingFully networkable up to 126 panels (requires additionalFully networkable up to 126 panels (requires additional	, , , , , , , , ,	24V dc 30mA (max)	24V dc 30mA (max)	
Mains input supply       230V ac +10% / -15%       230V ac +10% / -15%         Auxiliary relay       1 set of changeover contacts operate in event of fire condition       1 set of changeover contacts operate in event of fire condition         Output ports       RS485, RS232 for connection of repeaters etc       RS485, RS232 for connection of repeaters etc         Standby duration       Dependant on loop loading and battery configuration       Dependant on loop loading and battery configuration         Battery       2 x 12V 7Ah       2 x 12V 7Ah         Environmental	Auxiliary fault routing equipment output (monitored)	12V dc 30mA (max)	12V dc 30mA (max)	
Auxiliary relay1 set of changeover contacts operate in event of fire condition1 set of changeover contacts operate in event of fire conditionOutput portsRS485, RS232 for connection of repeaters etcRS485, RS232 for connection of repeaters etcStandby durationDependant on loop loading and battery configurationDependant on loop loading and battery configurationBattery2 x 12V 7Ah2 x 12V 7AhEnvironmental0 to 75% RH0 to 75% RHOperating temperature-5°C to +40°C-5°C to +40°CHumidity (non condensing)0 to 75% RH0 to 75% RHPhysical0375mm x 357mm x 95mm375mm x 357mm x 95mmDimensions (H x W x D)375mm x 357mm x 95mm375mm x 357mm x 95mmWeight8kg8kgIngress protectionIP30IP30Cable entriesTop: cable knockouts (20mm) Back: cable apertureTop: cable knockouts (20mm) 	System operating voltage	24V dc (nom)	24V dc (nom)	
conditionconditionconditionOutput portsRS485, RS232 for connection of repeaters etcRS485, RS232 for connection of repeaters etcStandby durationDependant on loop loading and battery configurationDependant on loop loading and battery configurationBattery2 x 12V 7Ah2 x 12V 7AhEnvironmental-5°C to +40°C-5°C to +40°COperating temperature-5°C to +40°C-5°C to +40°CHumidity (non condensing)0 to 75% RH0 to 75% RHPhysical-5°C to +40°C-5°C to +40°CConstructionBack box - steel375mm x 357mm x 95mmDimensions (H x W x D)375mm x 357mm x 95mm375mm x 357mm x 95mmWeight8kg8kgIngress protectionIP30IP30Cable entriesTop: cable knockouts (20mm) Back: cable apertureTop: cable knockouts (20mm) Back: cable apertureSystem networkingFully networkable up to 126 panels (requires additionalFully networkable up to 126 panels (requires additional	Mains input supply	230V ac +10% / -15%	230V ac +10% / -15%	
Standby durationDependant on loop loading and battery configurationDependant on loop loading and battery configurationBattery2 x 12V 7Ah2 x 12V 7AhEnvironmental-5°C to +40°C-5°C to +40°COperating temperature-5°C to +40°C0 to 75% RHHumidity (non condensing)0 to 75% RH0 to 75% RHPhysical-5°C to steelBack box - steelDimensions (H x W x D)375mm x 357mm x 95mm375mm x 357mm x 95mmWeight8kg8kgIngress protectionIP30IP30Cable entriesTop: cable knockouts (20mm) Back: cable apertureTop: cable knockouts (20mm) Back: cable apertureSystem networkingFully networkable up to 126 panels (requires additionalFully networkable up to 126 panels (requires additional	Auxiliary relay	0	5	
Battery2 x 12V 7Ah2 x 12V 7AhEnvironmental2 x 12V 7Ah2 x 12V 7AhOperating temperature-5°C to +40°C-5°C to +40°CHumidity (non condensing)0 to 75% RH0 to 75% RHPhysicalEnvironmentalBack box - steelConstructionBack box - steelBack box - steelDimensions (H x W x D)375mm x 357mm x 95mm375mm x 357mm x 95mmWeight8kg8kgIngress protectionIP30IP30Cable entriesTop: cable knockouts (20mm) Back: cable apertureTop: cable knockouts (20mm) Back: cable apertureSystem networkingFully networkable up to 126 panels (requires additionalFully networkable up to 126 panels (requires additional	Output ports	RS485, RS232 for connection of repeaters etc	RS485, RS232 for connection of repeaters etc	
Environmental       -5°C to +40°C       -5°C to +40°C         Operating temperature       -5°C to +40°C       -5°C to +40°C         Humidity (non condensing)       0 to 75% RH       0 to 75% RH         Physical       Environmental       Start and the star	Standby duration	Dependant on loop loading and battery configuration	Dependant on loop loading and battery configuration	
Operating temperature       -5°C to +40°C       -5°C to +40°C         Humidity (non condensing)       0 to 75% RH       0 to 75% RH         Physical       -5°C to +40°C       -5°C to +40°C         Construction       Back box - steel       Back box - steel         Dimensions (H x W x D)       375mm x 357mm x 95mm       375mm x 357mm x 95mm         Weight       8kg       8kg         Ingress protection       IP30       IP30         Cable entries       Top: cable knockouts (20mm) Back: cable aperture       Top: cable knockouts (20mm) Back: cable aperture         System networking       Fully networkable up to 126 panels (requires additional       Fully networkable up to 126 panels (requires additional	Battery	2 x 12V 7Ah	2 x 12V 7Ah	
Humidity (non condensing)       0 to 75% RH       0 to 75% RH         Physical       End box - steel       Back box - steel         Dimensions (H x W x D)       375mm x 357mm x 95mm       375mm x 357mm x 95mm         Weight       8kg       8kg         Ingress protection       IP30       IP30         Cable entries       Top: cable knockouts (20mm) Back: cable aperture       Top: cable knockouts (20mm) Back: cable aperture         System networking       Fully networkable up to 126 panels (requires additional       Fully networkable up to 126 panels (requires additional	Environmental			
Physical       Back box - steel       Back box - steel         Dimensions (H x W x D)       375mm x 357mm x 95mm       375mm x 357mm x 95mm         Weight       8kg       8kg         Ingress protection       IP30       IP30         Cable entries       Top: cable knockouts (20mm) Back: cable aperture       Top: cable knockouts (20mm) Back: cable aperture         System networking       Fully networkable up to 126 panels (requires additional       Fully networkable up to 126 panels (requires additional	Operating temperature	-5°C to +40°C	-5°C to +40°C	
Construction       Back box - steel       Back box - steel         Dimensions (H x W x D)       375mm x 357mm x 95mm       375mm x 357mm x 95mm         Weight       8kg       8kg         Ingress protection       IP30       IP30         Cable entries       Top: cable knockouts (20mm) Back: cable aperture       Top: cable knockouts (20mm) Back: cable aperture         System networking       Fully networkable up to 126 panels (requires additional       Fully networkable up to 126 panels (requires additional	Humidity (non condensing)	0 to 75% RH	0 to 75% RH	
Dimensions (H x W x D)       375mm x 357mm x 95mm       375mm x 357mm x 95mm         Weight       8kg       8kg         Ingress protection       IP30       IP30         Cable entries       Top: cable knockouts (20mm) Back: cable aperture       Top: cable knockouts (20mm) Back: cable aperture       Top: cable knockouts (20mm) Back: cable aperture         System networking       Fully networkable up to 126 panels (requires additional       Fully networkable up to 126 panels (requires additional	Physical			
Weight       8kg       8kg         Ingress protection       IP30       IP30         Cable entries       Top: cable knockouts (20mm) Back: cable aperture       Top: cable knockouts (20mm) Back: cable aperture         System networking       Fully networkable up to 126 panels (requires additional       Fully networkable up to 126 panels (requires additional	Construction	Back box - steel	Back box - steel	
Ingress protection         IP30         IP30           Cable entries         Top: cable knockouts (20mm) Back: cable aperture         Top: cable knockouts (20mm) Back: cable aperture           System networking         Fully networkable up to 126 panels (requires additional         Fully networkable up to 126 panels (requires additional	Dimensions (H x W x D)	375mm x 357mm x 95mm	375mm x 357mm x 95mm	
Cable entries       Top: cable knockouts (20mm) Back: cable aperture       Top: cable knockouts (20mm) Back: cable aperture         System networking       Fully networkable up to 126 panels (requires additional       Fully networkable up to 126 panels (requires additional	Weight	8kg	8kg	
Back: cable aperture         Back: cable aperture           System networking         Fully networkable up to 126 panels (requires additional   Fully networkable up to 126 panels (requires additional)	Ingress protection	IP30	IP30	
	Cable entries			
	System networking	, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	

#### Dimensions



	H (mm)	W (mm)	D (mm)
Panel	375	357	95
Cutout	345	325	50

## **Catalogue numbers**

Description	Code
1 loop control panel	CF1100VDS
2 loop control panel	CF1200VDS
Add to end of product code if network card required	NC
Network kit (for retro fit)	DF61NETKIT
Passive repeater panel	CF3000PRG
Touch-screen repeater panel	CTPR3000
Fire alarm system log book	MFALOG