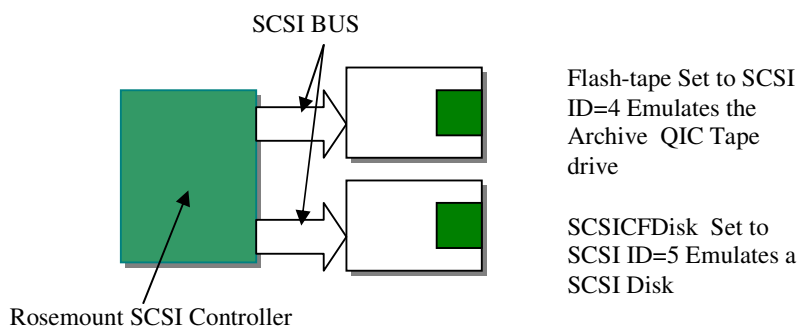## Tape & Disk replacements for Rosemount RS3 Systems

With Legacy Computer systems such as the Rosemount RS3 problems can often arise when replacing old or worn out tape and disk drives. Replacing and repairing old SCSI disk and SCSI QIC tape drives can be problematic. The PV SCSICFDISK disk and Flash-Tape can solve these issues. It replaces the moving parts of a tape drive and disk drive with a low cost rugged Flash card, while emulating the legacy Disk or QIC tape drive to the RS3 Host on its SCSI bus.
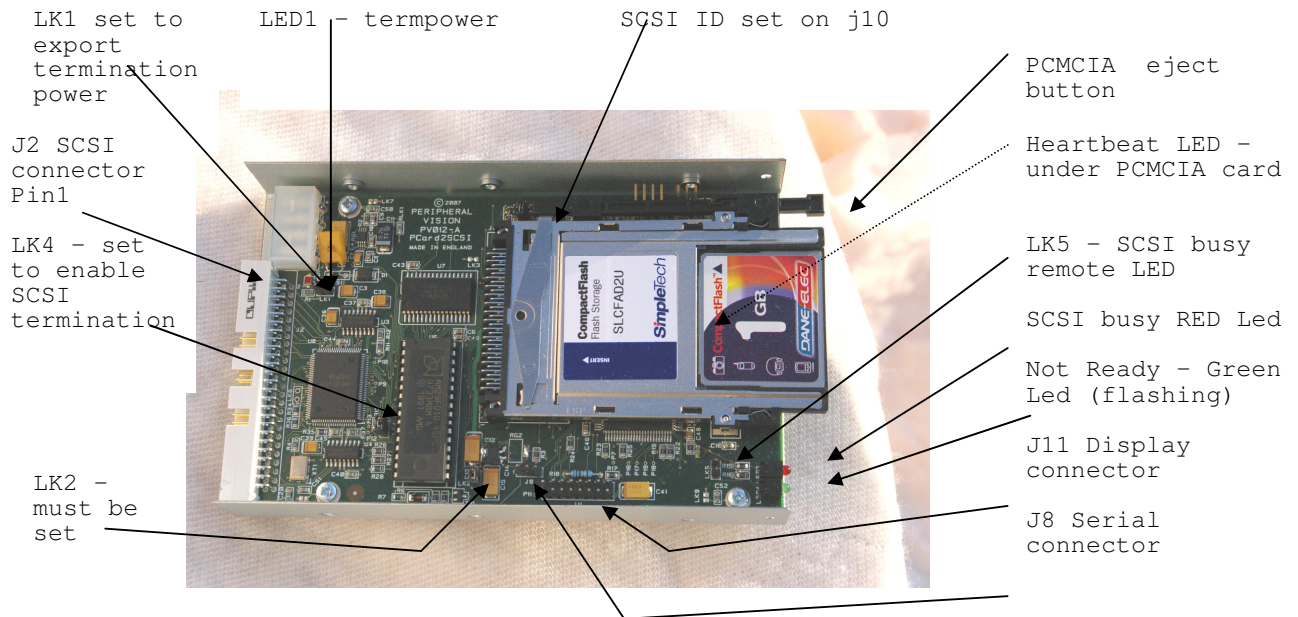

Features

- Plug & Play replacement for ageing RS3 SCSI disks & SCSI tape drives.
- A Tape drive & Disk drive with no moving parts.
- Uses standard Compact Flash (CF) cards.
- Standard 3.5" form factor (DISK)
- Standard 5.25" form factor (TAPE)
- CF card can be removed, and the data backed-up to a windows PC. The same data can be copied back from Windows to a new CF card which can then be inserted back into the PV SCSICFDISK
- Standard 50 pin SCSI1/2 interface
- Standard molex style 5V only power connector
- Internal active SCSI termination, disabled/enabled by jumper

SCSI BUS

Rosemount SCSI Controller

Flash-tape Set to SCSI ID=4 Emulates the Archive QIC Tape drive

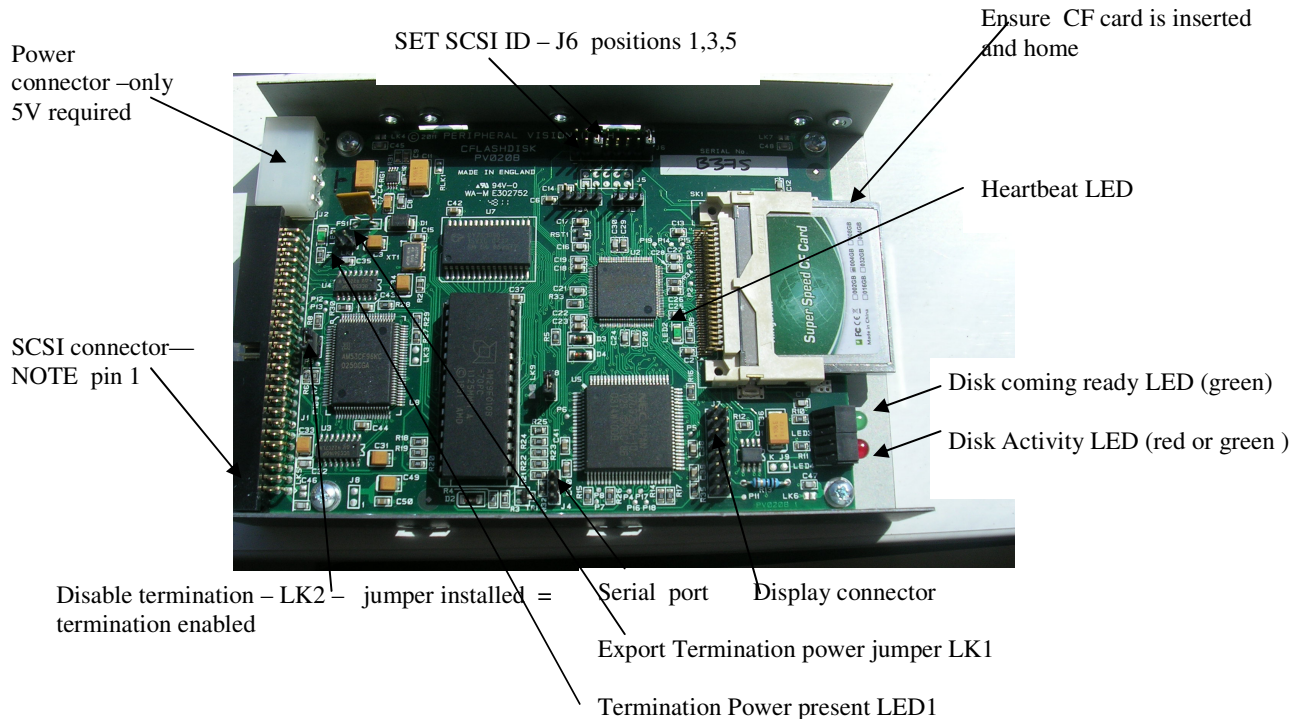SCSICFDisk Set to SCSI ID=5 Emulates a SCSI Disk

The Rosemount RS3 SCSI controller has a single SCSI bus that is used to attach its disk (at ID5) and its Tape drive (ID4) at the ends of the bus. The Rosemount controller itself sits in the middle of the bus. Both the tape and disk units should therefore be SCSI terminated.
The disk unit can be initialised through the peerway

FLASH TAPE board configuration settings

LK1 set to export termination power

LED1 – termpower

SCSI ID set on j10

PCMCIA eject button

Heartbeat LED – under PCMCIA card

J2 SCSI connector Pin1

LK4 – set to enable SCSI termination

LK5 – SCSI busy remote LED

SCSI busy RED Led

Not Ready – Green Led (flashing)

J11 Display connector

LK2 – must be set

J8 Serial connector

SCSICFDISK board configuration settings

Power connector –only 5V required

SET SCSI ID – J6 positions 1,3,5

Ensure CF card is inserted and home

Heartbeat LED

SCSI connector— NOTE pin 1

Disk coming ready LED (green)

Disk Activity LED (red or green)

Disable termination – LK2 – jumper installed = termination enabled

Serial port

Display connector

Export Termination power jumper LK1

Termination Power present LED1

SPECIFICATIONS –
Power: 5V only required. Uses standard molex type disk connectors
Dimensions   Suitable for the RS3 Chassis --Disk 3.5" form factor., Tape 5.25" form factor
SCSI: LVD/SE - 50 pin SCSI compatible with the existing Rosemount cables.
Disk & tape Capacity: defined by the Compact Flash (CF) card   -- typically 4GB each Note that the
                RS3 will only use 950 MB of the disk capacity.
Transfer Rate: 10 Mbytes/sec
Shipping weight: 0.5 Kg (Desktop unit)
Warranty: 2 years- advance swap
Contact: sales@peripheral-vision.com