MonitorKey

CMU Data Key Programming Tool

The Datakey™ device replaces the traditional conflict monitor Programming Card and eliminates the need for mechanical switches, jumpers, and diode cards. This rugged Datakey™ serial memory device is used to store all the configuration parameters for the monitor system and is completely removable and interchangeable.

The EDI *MonitorKey™* CMU Data Key Programming Tool provides the hardware programming interface between a Personal Computer (PC) and the Datakey™ serial memory. This compact tool connects to a serial port of the PC and uses the included *MonitorKey™* software to read, write, and verify the contents of the Datakey™ device. Software Wizards are provided to simplify the initial setup of the parameter database as well as check for data consistency errors.

The *MonitorKey™* software supports all programming parameter requirements of the CMU-212 signal monitor (ASHTO/ITE/NEMA Intelligent Transportation System (ITS) Standard Specification for Roadside Cabinets Version 01.02.17b, Caltrans TEES August 2002 specification), and the EDI model 2018KCL and 2018ECLip signal monitor.

Model Options:
- MonitorKey-NM uses a Null Modem cable to connect to the PC
- MonitorKey-ST uses a Straight Through cable to connect to the PC

MonitorKey™ Programming Tool Standard Features:

Parameter Forms:	Easy to use Parameter Forms are provided for each category of configuration data depending on the monitor model being programmed; Unit Data, Permissive Matrix, Lack of Signal, Multiple Input, Clearance, Current Sense, Field Check, Yellow Disable, Virtual Channels, etc..
Datakey™ Operations:	The programming tool provides the capability to Read and Write data from the Datakey™ device. A Verify operation will then confirm that the data contained in the Datakey™ device matches that in the Parameter Forms.
File Management:	Each Datakey™ parameter database can be stored or retrieved from a disk file.
Initial Setup Wizard:	The Parameter Setup Wizard assists a user in setting up the initial programming for a monitor. Answering a series of questions related to intersection geometry and phase assignments provides the necessary input to the Wizard to *automatically* configure the parameter database for most parameter forms. The Setup Wizard minimizes the need to understand complex and often confusing monitor terminology needed to *correctly and accurately* program the monitor configuration.
Parameter Check Wizard:	The Parameter Check wizard will apply a set of basic configuration rules to the parameter database and provide detailed warnings that configuration conflicts may exist.
Parameter Report:	The contents of the parameter data buffer can be displayed in a hex format for numerical analysis. A report can also be printed that specifies all parameter settings in a natural language format.
Install Program:	The *MonitorKey™* software comes with a simple to use installation program and is compatible with Microsoft Windows™ NT, XP, and Vista.
Compatible Monitor Products:	The *MonitorKey™* software is compatible with the CMU-212, 2018KCL, and 2018KCLip signal monitors.

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