

## School Zone Dual Diagram - VATCS



**SOLAR** or AC POWERED

ADVISORY CATEGORY OF SIGN FOR **EDUCATION** OF DRIVER IN SCHOOL ZONE

VAMP TIMER **AUTO ADJUST FOR DAYLIGHT SAVINGS** ALLOWS LOWER SPEED OR WC-1/S1-1 DIAGRAM TO BE DISPLAYED PERMANENTLY AT PEAK SCHOOL HOURS

PIXELATED LED DISPLAY COMPLIANT **MUTCD SIGN DIAGRAMS**.

**BLUETOOTH** WIRELESS DATA-LOGGING SPEED ANALYSIS

**FCC COMPLIANT** SI-3 INTEGRATED RADAR TECHNOLOGY

**ALUMINIUM** LIGHTWEIGHT ROBUST ENCLOSURES



**MODULAR DESIGN** FOR EASY INSTALL, SET UP/SERVICE

HIGH INTENSITY LED DISPLAY **VISIBLE IN ALL AMBIENT LIGHT CONDITIONS** WITH AUTO LUMINOSITY CONTROL

### SIGN DESIGN SPECIFICATION (Generic)

<b>Model Ref.</b>	VATCS/Sign Ref, Speed//Sign Ref/ <b>SD</b> slow down/ <b>L</b> lanterns/ <b>DL</b> data logging/ <b>PT</b> Timer		
<b>Display Technology</b>	High Intensity LED. Auto luminosity control to suit ambient light conditions.		
<b>Display format</b>	Dual diagram sign format Diagram 1 24" R2-1/ (60 x 75cm)RB-1 MUTCD diagrams Visible at 480'. Diagram 2 24" S1-1/ (60cm)WC-1 MUTCD diagrams Visible at 480'. Display colours are inverted from the MUTCD regulatory sign diagrams . 5" 125mm beacons are located in each corner , flashing in horizontal pairs to attract drivers attention. Slow Down features below each display in matching colour to main diagram.		
<b>Vehicle Detection</b>	FCC compliant K Band Si-3 technology , configurable trigger speeds between 5MPH/8KPH to 120MPH/192KPH, 12° beam with adjustable range from 350 to 1200 feet. Standard 600'.		
<b>Models</b>	<b>Model No.</b>	<b>Approx Dimensions Inches/mm</b>	
		<b>Height</b>	<b>Width</b>
		<b>Depth</b>	
	VATCS/R2-1,XX/S1-1/SD/L/DL/PT (US) (24")	59/1510	34/875
	VATCS/RB-1,XX/WC-1/SD/L/DL/PT (CAN) (60cm)	59/1510	34/875
	Dual speed versions also available for displaying a lower speed rather than the WC-1/S1-1 at peak hours of school operation. Posted speed in school zone to be quoted when ordering.		
<b>Weight</b>	45Kg 90lbs		

# School Zone Dual Diagram - VATCS

### SPECIFICATION, continued...

#### Power Supply

Solar or AC powered. Solar Kit Designed to ensure 24/7/365 operation in accordance with average solar hours per day available at locations. Nominal 80W panels with 36 amphr battery reservoir integrated into sign.

#### Operation

Standard operation of the dual diagram School Zone VATCS is to have both diagrams programmed to coincide with the school calendar. The lower speed limit diagram or the WC-1/S1-1 diagram including the Slow Down and beacons is programmed to be permanently displayed during the peak hours of school operation. Outside of Peak hours the sign is programmed to display the higher speed limit on a vehicle triggered basis, as per default operation of a standard VATCS. i.e. blank until triggered  
 Operation in this manner re-enforces the message to all drivers to take care during the peak hours of operation but also targets the speeding motorist outside of the peak hours. The timetable is uploaded via the PDA and automatically adjusts for daylight savings.

#### VAMP Timetable

VAMP is a desktop software package which allows the user to instruct the sign to operate in conjunction with a programmed timetable such as a School calendar. The switching timetable is produced in the desktop application and transferred to PDA and uploaded to sign via Bluetooth™ Wireless Communications.

#### Data logging Facility

Dorman Varitext's unique data logging software interfaces to the sign via a Bluetooth™ wireless connection to a hand held PDA. The data logging software records the date, time and speed of vehicles passing the sign; this information can be imported into Excel, to enable detailed analysis of, speeds and allow the client to evaluate the VATCS performance. Data value is in before and after comparisons. Standard Storage capacity 11 million vehicles on SD memory card

### Log and analyse traffic flow and speed data with VATCS Datalogger© Software...



	A	B	C	D
1				
2	Date	Time	Speed	
3	05/05/2005	12:05:01	23	
4	05/05/2005	12:05:02	21	
5	05/05/2005	12:05:04	25	
6	06/05/2005	12:05:00	23	
7	06/05/2005	12:05:20	24	
8	07/05/2005	12:05:35	26	
9	07/05/2005	12:06:05	32	
10	09/05/2005	12:07:05	30	
11	08/05/2005	12:08:05	45	
12	09/05/2005	12:09:05	25	
13	09/05/2005	12:09:45	25	
14	09/05/2005	12:09:55	24	
15				
17	Mean of average speed =			27.08333333
18				
20	95th Percentile =			31.7
21				



### ENCLOSURE

#### Outdoor Application

Purpose fabricated lightweight, robust, vandal resistant, weatherproof enclosure. -35 to 74°C operating temperature range.

#### Enclosure

Corrosion resistant purpose fabricated lightweight Aluminum enclosure, hinged front door for access with vandal tamperproof shape locks. Color finish to suit.

#### Mounting



#### Permanent Mounting Option

As standard the VATCS has four sign fix channels running the full rear width of the sign, each sign is supplied with 4 No SX0220 channel banding adaptors to allow clients to band mount onto any existing post. Solar Panel is supplied complete with mounting bracket for either side or top of pole mounting.

#### Window

¼ inch/5mm vandal resistant polycarbonate.