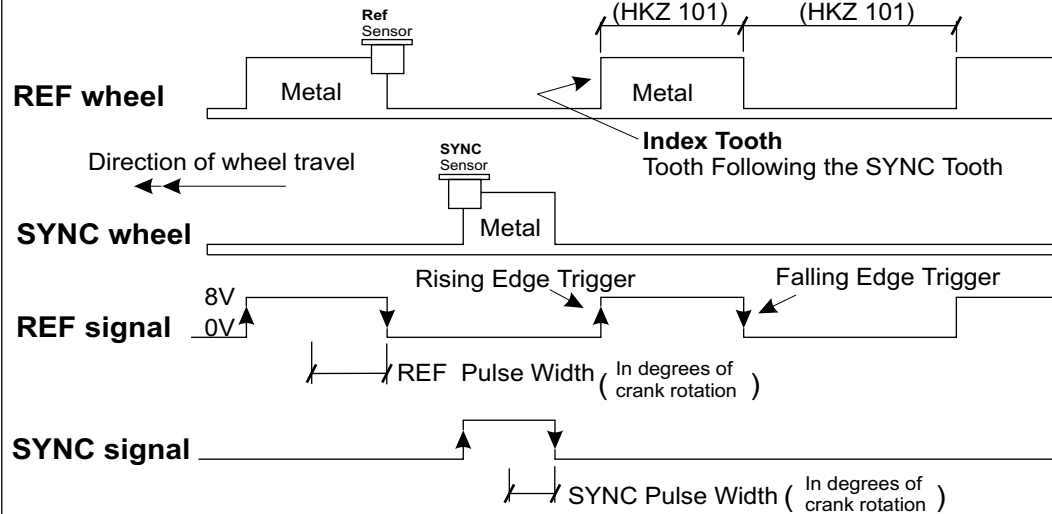


**Note**  
The vane must be made of magnetically "soft" material such as mild steel

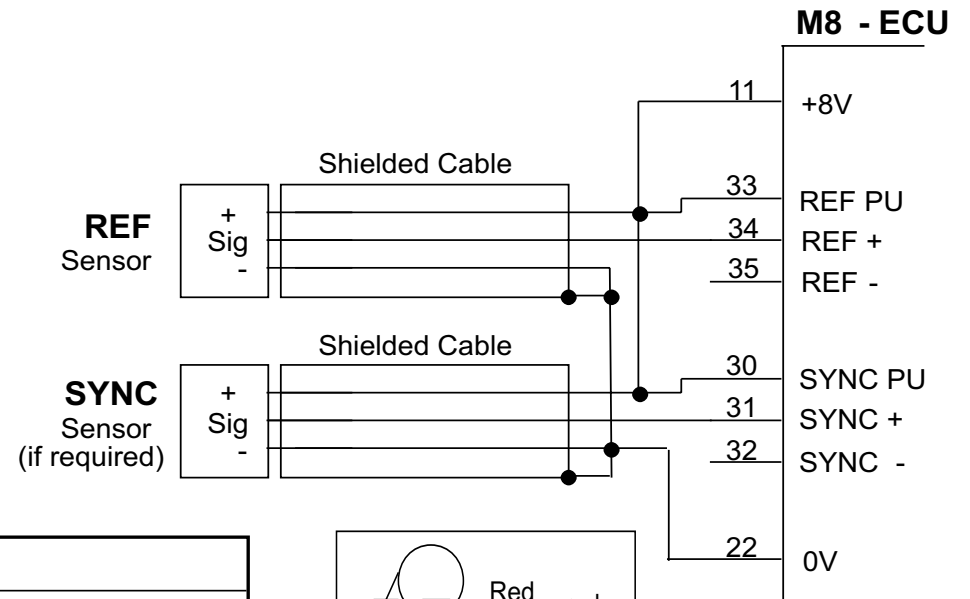
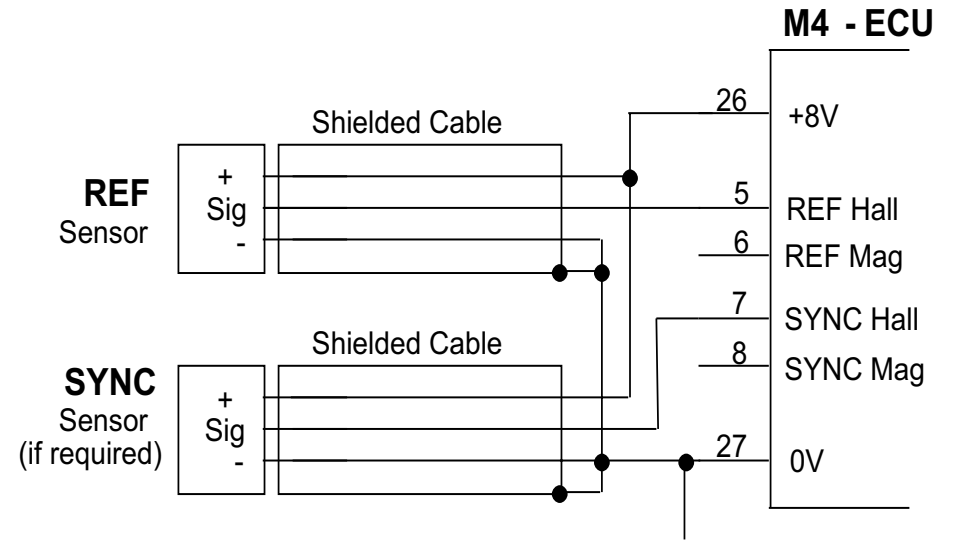
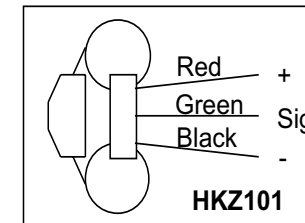


**NOTE.** Either the Rising edge or the Falling Edge (preferred) may be chosen as the active edge.

**Note 1**  
The rEF setup parameter may be any of the general types  
This parameter also indicates if the active edges are rising or falling  
Normally types 1 to 4 or 11 to 14 will be used  
Modes 1 to 4 require one REF tooth per firing and may be used with or without a SYNC signal  
Modes 11 to 14 require more than one REF tooth per firing and MUST have a SYNC signal  
Note that the SYNC signal is required for sequential injection or multi coil operation

**Note 2**  
The criP setup parameter must be set to indicate the position of the REF Index Tooth ( in degrees BTDC Cyl 1 )  
For REF modes 1 to 4 and 11 to 14 the Index Tooth is the REF Tooth following the SYNC Tooth

<b>Setup</b>	M4 Only	rFSn	1
		SYSn	1
		rEF	Note 1
		cr t	Number of REF teeth per Rev
		criP	Note 2



**MoTeC**

**Title Hall Effect Sensor - General**

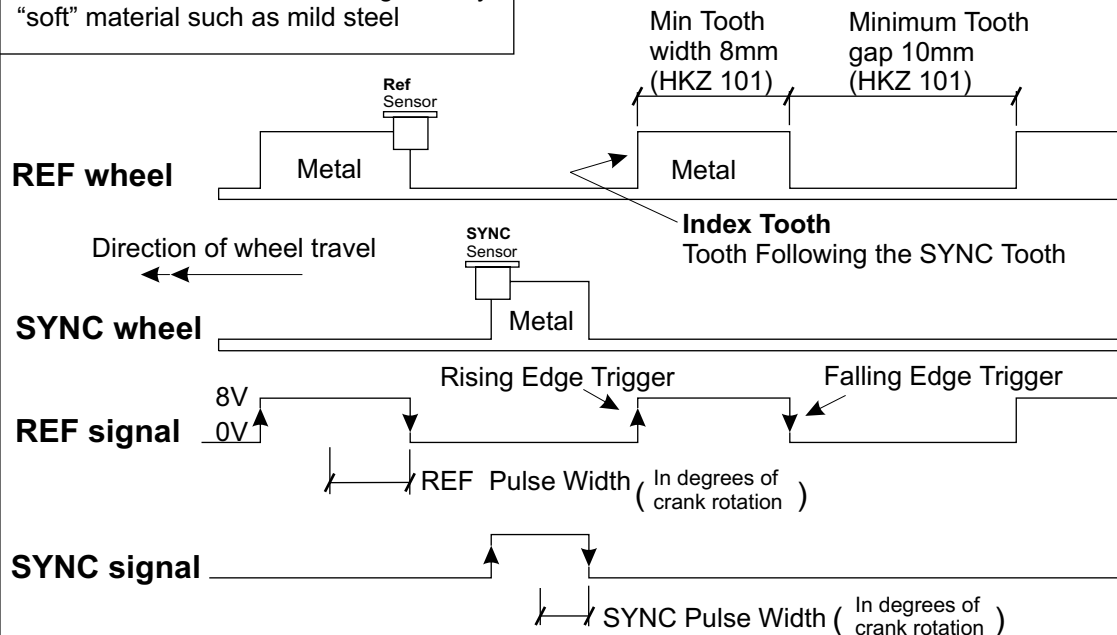
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**Note**

The vane must be made of magnetically "soft" material such as mild steel



**NOTE.** Either the Rising edge or the Falling Edge (preferred) may be chosen as the active edge.

**NOTE 1.**

The REF/SYNC Mode parameter may be any of the general types. Normally types mode 0 (1 Tooth/TCD), mode 1 (Dual edge) and mode 2 (Multi Tooth) will be used. Modes 0 and 1 require 1 tooth per firing and may be used without a SYNC sensor. Mode 2 may have up to 180 teeth per Crank rev and MUST have a SYNC sensor. The SYNC sensor is required for sequential injection or multi coil operation.

**NOTE 2.**

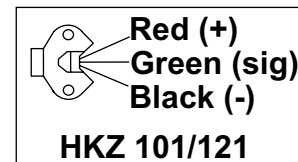
The "Crank Index Position" parameter must be set to indicate the position of the REF index tooth. (In degrees BTDC Cyl 1)  
The index tooth is the REF tooth following the SYNC tooth.

**Sensor Setup - REF/SYNC Sensor Setup**

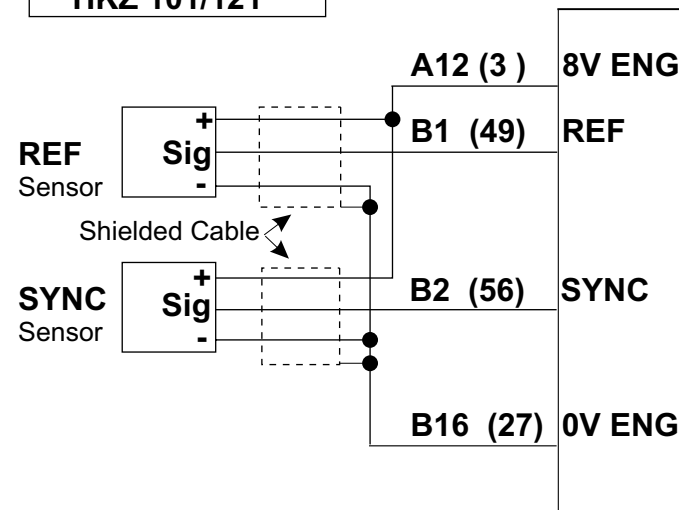
REF Sensor Type	Hall
REF Sensor Edge	Fall or Rise
REF Sensor Filter	¼ REF Pulse width
SYNC Sensor Type	Hall
SYNC Sensor Edge	Fall or Rise
SYNC Sensor Filter	¼ Sync Pulse width

**General Setup - Main Setup**

REF / SYNC Mode	Note 1
Crank Ref Teeth	Number of teeth per rev
Crank Index Position	Note 2



**M800 (M880)**



**MoTeC**

Title **Hall Effect Sensor - General**

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