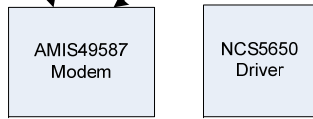


AMIS49587 – Key features for Smart Metering



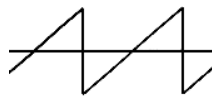
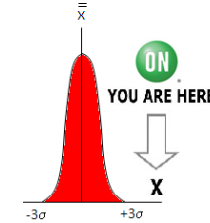
AMIS49587 is designed for daisy chained meters. intermediate loads along the drop introduce noise and degrade the PLC signal. State of the art DSP techniques and repeat with credit protocol make communication feasible in the challenging environment

Hardware DSP front end - rationalizes load on the ARM7.
Adjustable carrier freq - permits adaptive selection for best SNR

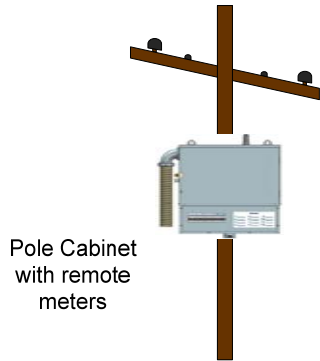


Full function chip set.

In a dedicated drop, less demanding, these same features drive performance to the highest level – and permit long drops!



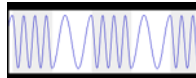
Repeat with credit - may extend range



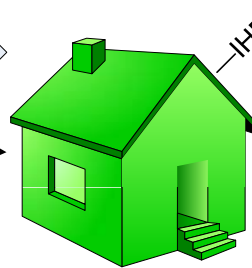
Pole Cabinet with remote meters



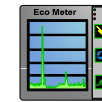
Zero crossing sync - maximizes SNR.



SFSK modulation- superior to FSK – 10+ khz separation means high probability at least one carrier will propagate



Subscriber Drop



Display



Phase register - allows proper identification of wiring



Battled Hardened - 12+ yrs of field evolution!
Next model: 125 deg C!



Spy Mode – allows depiction of line properties

